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- AERTS, C. δ Ceti Is Not Monoperiodic: Seismic Modeling of a β Cephei Star from MOST Space-based Photometry. *C. Aerts, S. V. Marchenko, J. M. Matthews, R. Kuschnig, D. B. Guenther, A. F. J. Moffat, S. M. Rucinski, D. Sasselov, G. A. H. Walker, and W. W. Weiss*. 642, 470 (2006)
- Discovery of the New Slowly Pulsating B Star HD 163830 (B5 II/III) from MOST Space-based Photometry. *C. Aerts, P. De Cat, R. Kuschnig, J. M. Matthews, D. B. Guenther, A. F. J. Moffat, S. M. Rucinski, D. Sasselov, G. A. H. Walker, and W. W. Weiss*. 642, L165 (2006)
- AFONSO, C. See ASSEF, R. J., et al. Removing the Microlensing Blending-Parallax Degeneracy Using Source Variability. 649, 954 (2006)
- AFONSO, CRISTINA. See HOLTZMAN, JON A., et al. The Local Group Stellar Populations Archive from the *Hubble Space Telescope* WFPC2. 166, 534 (2006)
- AGAFONOV, MICHAEL. Three-dimensional Doppler Tomogram of Gas Flows in the Algol-Type Binary U Coronae Borealis. *Michail Agafonov, Mercedes Richards, and Olga Sharova*. 652, 1547 (2006)
- AGAFONOV, Y. N. See BUSEMANN, H., et al. Interstellar Helium Trapped with the COLLISA Experiment on the *Mir* Space Station—Improved Isotope Analysis by In Vacuo Etching. 639, 246 (2006)
- AGGARWAL, K. M. See KEENAN, F. P., et al. Soft X-Ray Emission Lines of Fe XV in Solar Flare Observations and the *Chandra* Spectrum of Capella. 645, 597 (2006)
- AGRAWAL, V. K. The Unusual Spectrum of the Ultraluminous X-Ray Source M82 X-1. *V. K. Agrawal and R. Misra*. 638, L83 (2006)
- AGÜEROS, MARIA P. See DÍAZ, RUBÉN J., et al. Hidden Trigger for the Giant Starburst Arc in M83? 652, 1122 (2006)
- AGÜEROS, MARCEL A. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)

- AGUIRRE, ANTHONY. See PIERI, MATTHEW M., et al. The Spatial Distribution of Metals in the Intergalactic Medium. 638, 45 (2006)
- AGUIRRE, J. E. See LAURENT, G. T., et al. The Bolocam 1.1 mm Lockman Hole Galaxy Survey: SHARC II 350 μ m Photometry and Implications for Spectral Models, Dust Temperatures, and Redshift Estimation. 643, 38 (2006)
- AGUIRRE, JAMES. See ENOCH, MELISSA L., et al. Bolocam Survey for 1.1 mm Dust Continuum Emission in the e2d Legacy Clouds. I. Perseus. 638, 293 (2006)
- See YOUNG, KAISA E., et al. Bolocam Survey for 1.1 mm Dust Continuum Emission in the e2d Legacy Clouds. II. Ophiuchus. 644, 326 (2006)
- AGÚNDEZ, M. See EXPÓSITO, J. P. FONFRÍA, et al. High- J ν = 0 SIS Maser Emission in IRC +10216: A New Case of Infrared Overlaps. 646, L127 (2006)
- See TENENBAUM, E. D., et al. Detection of C₂O in IRC +10216: Oxygen-Carbon Chain Chemistry in the Outer Envelope. 649, L17 (2006)
- AGÚNDEZ, MARCELINO. Oxygen Chemistry in the Circumstellar Envelope of the Carbon-Rich Star IRC +10216. *Marcelino Agúndez and José Cernicharo*. 650, 374 (2006)
- AGUSTSSON, INGOLFUR. The Locations of Satellite Galaxies in a Λ CDM Universe. *Ingolfur Agustsson and Teresa G. Brainerd*. 650, 550 (2006)
- The Orientation of Satellite Galaxies: Evidence of Elongation in the Direction of the Host. *Ingolfur Agustsson and Teresa G. Brainerd*. 644, L25 (2006)
- AHARMIM, B. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. B. Aharmim, S. N. Ahmed, A. E. Anthony, E. W. Beier, A. Bellerive, M. Bergevin, S. D. Biller, M. G. Boulay, Y. D. Chan, M. Chen, X. Chen, B. T. Cleveland, G. A. Cox, C. A. Currat, X. Dai, F. Dainotti-Versch, H. Deng, J. Detwiler, M. DiMarco, P. J. Doe, G. Doucas, P.-L. Drouin, F. A. Duncan, M. Dunford, J. A. Dunmore, E. D. Earle, H. C. Evans, G. T. Ewan, J. Farine, H. Fergani, F. Fleurot, R. J. Ford, J. A. Formaggio, N. Gagnon, J. Tm. Goon, K. Graham, E. Guillian, R. L. Hahn, A. L. Hallin, E. D. Hallman, P. J. Harvey, R. Hazama, K. M. Heeger, W. J. Heintzelman, J. Heise, R. L. Helmer, R. J. Hemingway, R. Henning, A. Hime, C. Howard, M. A. Howe, M. Huang, P. Jagam, N. A. Jelley, J. R. Klein, L. L. Kormos, M. Kos, A. Krüger, C. Kraus, C. B. Krauss, T. Kutter, C. C. M. Kyba, H. Labranche, R. Lange, J. Law, I. T. Lawson, K. T. Lesko, J. R. Leslie, J. C. Loach, S. Luoma, R. MacLellan, S. Majerus, H. B. Mak, J. Maneira, A. D. Marino, R. Martin, N. McCauley, A. B. McDonald, S. McGee, C. Mifflin, K. K. S. Miknaitis, M. L. Miller, B. Monreal, B. G. Nickel, A. J. Noble, E. B. Norman, N. S. Oblath, C. E. Okada, H. M. O'Keefe, G. D. Orebi Gann, S. M. Oser, R. Ott, S. J. M. Peeters, A. W. P. Poon, G. Prior, K. Rielage, B. C. Robertson, R. G. H. Robertson, E. Rollin, M. H. Schwendener, J. A. Secrest, S. R. Seibert, O. Simard, C. J. Sims, D. Sinclair, P. Skensved, R. G. Stokstad, L. C. Stonehill, G. Tesić, N. Tolich, T. Tsui, R. Van Berg, R. G. Van de Water, B. A. VanDevender, C. J. Virtue, T. J. Walker, B. L. Wall, D. Waller, H. Wan Chan Tseung, D. L. Wark, J. Wendland, N. West, J. F. Wilkerson, J. R. Wilson, J. M. Wouters, A. Wright, M. Yeh, F. Zhang, and K. Zuber. 653, 1545 (2006)
- AHARONIAN, F. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. F. Aharonian, A. G. Akhperjanian, A. R. Bazer-Bachi, M. Beilicke, W. Benbow, D. Berge, K. Bernlöhr, C. Boisson, O. Bolz, V. Borrel, I. Braun, F. Bretiling, A. M. Brown, P. M. Chadwick, L.-M. Choumet, R. Cornils, L. Costamante, B. Degrange, H. J. Dickinson, A. Djannati-Ataï, L. O'C. Drury, G. Dubus, D. Emmanoulopoulos, P. Espigat, F. Feinstein, G. Fontaine, Y. Fuchs, S. Funk, Y. A. Gallant, B. Giebels, S. Gillesen, J. F. Glicenstein, P. Goret, C. Hadjichristidis, M. Hauser, G. Heinzelmann, G. Henri, G. Hermann, J. A. Hinton, W. Hofmann, M. Holleran, D. Horns, A. Jacholkowska, O. C. de Jager, B. Khélifi, Nu. Komin, A. Konopelko, I. J. Latham, R. Le Gallou, A. Lemièrre, M. Lemoine-Goumard, N. Leroy, T. Lohse, J. M. Martin, O. Martineau-Huyh, A. Marcowith, C. Masterson, T. J. L. McComb, M. de Naurois, S. J. Nolan, A. Noutsos, K. J. Orford, J. L. Osborne, M. Ouchrif, M. Panter, G. Pelletier, S. Pita, G. Pihlhofer, M. Punch, B. C. Raubenheimer, M. Raue, J. Raux, S. M. Rayner, A. Reimer, O. Reimer, J. Ripken, L. Rob, L. Rolland, G. Rowell, V. Sahakian, L. Saugé, S. Schlenker, R. Schlickeiser, C. Schuster, U. Schwanke, M. Siewert, H. Sol, D. Spangler, R. Steenkamp, C. Stegmann, J.-P. Tavernier, R. Terrier, C. G. Théoret, M. Tluczykont, G. Vasileiadis, C. Venter, P. Vincent, H. J. Völk, and S. J. Wagner. 636, 777 (2006)
- See YOST, S. A., et al. Optical Light Curve and Cooling Break of GRB 050502A. 636, 959 (2006)
- See QUIMBY, R. M., et al. Early-Time Observations of the GRB 050319 Optical Transient. 640, 402 (2006)
- See RYKOFF, E. S., et al. The Anomalous Early Afterglow of GRB 050801. 638, L5 (2006)
- AHARONIAN, FELIX. See KATAOKA, JUN, et al. The X-Ray Jet in Centaurus A: Clues to the Jet Structure and Particle Acceleration. 641, 158 (2006)
- A'HEARN, M. F. See REMIJAN, ANTHONY J., et al. A BIMA Array Survey of Molecules in Comets LINEAR (C/2002 T7) and NEAT (C/2001 Q4). 643, 567 (2006)
- A'HEARN, MICHAEL F. See MILAM, STEFANIE N., et al. Formaldehyde in Comets C/1995 O1 (Hale-Bopp), C/2002 T7 (LINEAR), and C/2001 Q4 (NEAT): Investigating the Cometary Origin of H₂CO. 649, 1169 (2006)
- See FELDMAN, PAUL D., et al. Carbon Monoxide in Comet 9P/Tempel 1 before and after the Deep Impact Encounter. 647, L61 (2006)
- AHMAD, FAROOQ. Statistical Mechanics of the Cosmological Many-Body Problem. II. Results of Higher Order Contributions. *Farooq Ahmad, William C. Saslaw, and Manzoor A. Malik*. 645, 940 (2006)
- AHMED, S. N. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- AHN, KYUNGJIN. See SHAPIRO, PAUL R., et al. The 21 cm Background from the Cosmic Dark Ages: Minihalos and the Intergalactic Medium before Reionization. 646, 681 (2006)
- See ALVAREZ, MARCELO A., et al. Implications of WMAP 3 Year Data for the Sources of Reionization. 644, L101 (2006)
- AHN, SANG-HYEON. See LEE, HEE-WON, et al. Raman-scattered He II $\lambda\lambda$ 4850, 6545 in the Young and Compact Planetary Nebula IC 5117. 636, 1045 (2006)
- AIKAWA, Y. Physical and Chemical Structure of Protoplanetary Disks with Grain Growth. *Y. Aikawa and H. Nomura*. 642, 1152 (2006)
- AIQUAZ, T. Expansion of the Supergranular Magnetic Network through the Solar Atmosphere. *T. Aiouaz and M. P. Rast*. 647, L183 (2006)
- AJIKI, MASARU. See KASHIKAWA, NOBUNARI, et al. Clustering of Lyman Break Galaxies at $z = 4$ and 5 in the Subaru Deep Field: Luminosity Dependence of the Correlation Function Slope. 637, 631 (2006)
- Narrowband Survey of the GOODS Fields: Search for Ly α Emitters at $z = 5.7$. *Masaru Ajiki, Bahram Mobasher, Yoshiaki Taniguchi, Yasuhiro Shioya, Tohru Nagao, Takashi Murayama, and Shunji S. Sasaki*. 638, 596 (2006)
- See YOSHIDA, MAKIKO, et al. Luminosity Functions of Lyman Break Galaxies at $z \sim 4$ and $z \sim 5$ in the Subaru Deep Field. 653, 988 (2006)
- AKASHI, MUHAMMAD. Accretion onto the Companion of η Carinae during the Spectroscopic Event. II. X-Ray Emission Cycle. *Muhammad Akashi, Noam Soker, and Ehud Behar*. 644, 451 (2006)
- AKERLOF, C. W. See YOST, S. A., et al. Optical Light Curve and Cooling Break of GRB 050502A. 636, 959 (2006)
- See QUIMBY, R. M., et al. Early-Time Observations of the GRB 050319 Optical Transient. 640, 402 (2006)
- See RYKOFF, E. S., et al. The Anomalous Early Afterglow of GRB 050801. 638, L5 (2006)
- AKERLOF, CARL W. See QUIMBY, ROBERT, et al. SN 2005cg: Explosion Physics and Circumstellar Interaction of a Normal Type Ia Supernova in a Low-Luminosity Host. 636, 400 (2006)
- AKESON, R. L. See MILLAN-GABET, R., et al. Keck Interferometer Observations of FU Orionis Objects. 641, 547 (2006)
- See MONNIER, J. D., et al. No Expanding Fireball: Resolving the Recurrent Nova RS Ophiuchi with Infrared Interferometry. 647, L127 (2006)
- AKHPERJANIAN, A. G. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- AKIYAMA, MASAYUKI. See KASHIKAWA, NOBUNARI, et al. Clustering of Lyman Break Galaxies at $z = 4$ and 5 in the Subaru Deep Field: Luminosity Dependence of the Correlation Function Slope. 637, 631 (2006)
- See KIUCHI, GAKU, et al. Host Galaxies of Hard X-Ray-Selected Type 2 Active Galactic Nuclei at Intermediate Redshifts. 647, 892 (2006)
- See SAITO, TOMOKI, et al. Systematic Survey of Extended Ly α Sources over $z \sim 3-5$. 648, 54 (2006)
- See AOKI, KENTARO, et al. Discovery of H α Absorption in the Unusual Broad Absorption Line Quasar SDSS J083942.11+380526.3. 651, 84 (2006)
- See YOSHIDA, MAKIKO, et al. Luminosity Functions of Lyman Break Galaxies at $z \sim 4$ and $z \sim 5$ in the Subaru Deep Field. 653, 988 (2006)
- See KIUCHI, GAKU, et al. Erratum: "Host Galaxies of Hard X-Ray-Selected

- Type 2 Active Galactic Nuclei at Intermediate Redshifts" (*ApJ*, 647, 892 [2006]), 653, 1583 (2006)
- See ANDO, MASATAKA, et al. Deficiency of Large Equivalent Width Ly α Emission in Luminous Lyman Break Galaxies at $z \sim 5$ –6? 645, L9 (2006)
- AKIYAMA, S. See YASHIRO, S., et al. Different Power-Law Indices in the Frequency Distributions of Flares with and without Coronal Mass Ejections. 650, L143 (2006)
- AKYLA, A. See GEORGAKAKIS, A., et al. X-Ray Number Counts of Normal Galaxies. 641, L101 (2006)
- ALATALO, K. See YOST, S. A., et al. Optical Light Curve and Cooling Break of GRB 050502A. 636, 959 (2006)
- See QUMBY, R. M., et al. Early-Time Observations of the GRB 050319 Optical Transient. 640, 402 (2006)
- See PROCHASKA, J. X., et al. The Galaxy Hosts and Large-Scale Environments of Short-Hard Gamma-Ray Bursts. 642, 989 (2006)
- ALBACETE COLOMBO, JUAN F. See COMBI, JORGE A., et al. XMM-Newton Detection of the Supernova Remnant G337.2+0.1. 653, L41 (2006)
- ALBARÈDE, FRANCIS. See FUJII, TOSHIYUKI, et al. Mass-Independent Isotope Fractionation of Molybdenum and Ruthenium and the Origin of Isotopic Anomalies in Murchison. 647, 1506 (2006)
- ALBERDI, A. Evolution of the Circumnuclear Radio Supernova SN 2000ft in NGC 7469. A. Alberdi, L. Colina, J. M. Torres, N. Panagia, A. S. Wilson, and S. T. Garrington. 638, 938 (2006)
- ALBERT, J. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. J. Albert, E. Aliu, H. Anderhub, P. Antoranz, A. Armada, M. Asensio, C. Baixeras, J. A. Barrio, F. Bartko, D. Bastieri, W. Bednarek, K. Berger, C. Bigongiari, A. Biland, E. Bisesi, R. K. Bock, T. Bretz, I. Britvitch, M. Camara, A. Chilingarian, S. Ciprini, J. A. Coarasa, S. Commichau, J. L. Contreras, J. Cortina, V. Danilyan, F. Dazzi, A. De Angelis, R. de los Reyes, B. De Lotto, E. Domingo-Santamaría, D. Dörner, M. Doro, M. Errando, D. Ferenc, E. Fernández, R. Firpo, J. Flix, M. V. Fonseca, L. Font, N. Galante, M. Garczarezyk, M. Gaug, J. Gebauer, R. Giannitrapani, M. Giller, F. Goebel, D. Hakobyan, M. Hayashida, T. Hengstebeck, D. Höhne, J. Hose, P. Jacon, O. Kalekin, D. Kranich, A. Laille, T. Lenisa, P. Liebing, E. Lindfors, F. Longo, J. López, M. López, E. Lorenz, F. Lucarelli, P. Majumdar, G. Maneva, K. Mannheim, M. Mariotti, M. Martínez, K. Mase, D. Mazin, C. Merck, M. Meucci, M. Meyer, J. M. Miranda, R. Mirzoyan, S. Mizobuchi, A. Moralejo, K. Nilsson, E. Oña-Wilhelmi, R. Orduña, N. Otte, I. Oya, D. Paneque, R. Paoletti, M. Pasanen, D. Pascoli, F. Pauss, N. Pavel, R. Pegna, L. Peruzzo, A. Piccioli, M. Pin, E. Prandini, J. Rico, W. Rhode, B. Riegel, M. Rissi, A. Robert, G. Rossato, S. Rügamer, A. Saggion, A. Sánchez, P. Sartori, V. Scalzotto, R. Schmitt, T. Schweizer, M. Shayduk, K. Shinozaki, N. Sidro, A. Sillanpää, D. Sobczynska, A. Stamerra, L. Stark, L. Takalo, P. Temnikov, D. Tescaro, M. Teshima, N. Tonello, A. Torres, D. F. Torres, N. Turini, H. Vankov, V. Vitale, R. M. Wagner, T. Wibig, W. Wittek, and J. Zapatero. 639, 761 (2006)
- MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. J. Albert, E. Aliu, H. Anderhub, P. Antoranz, A. Armada, M. Asensio, C. Baixeras, J. A. Barrio, M. Bartel, H. Bartko, D. Bastieri, R. Bavikadi, W. Bednarek, K. Berger, C. Bigongiari, A. Biland, E. Bisesi, O. Blanch, R. K. Bock, T. Bretz, I. Britvitch, M. Camara, A. Chilingarian, S. Ciprini, J. A. Coarasa, S. Commichau, J. L. Contreras, J. Cortina, V. Curtef, V. Danielyan, F. Dazzi, A. De Angelis, R. de los Reyes, B. De Lotto, E. Domingo-Santamaría, D. Dörner, M. Doro, M. Errando, M. Fagiolini, D. Ferenc, E. Fernández, R. Firpo, J. Flix, M. V. Fonseca, L. Font, N. Galante, M. Garczarezyk, M. Gaug, J. Gebauer, M. Giller, F. Goebel, D. Hakobyan, M. Hayashida, T. Hengstebeck, D. Höhne, J. Hose, P. Jacon, O. Kalekin, D. Kranich, A. Laille, T. Lenisa, P. Liebing, E. Lindfors, F. Longo, M. López, J. López, E. Lorenz, F. Lucarelli, P. Majumdar, G. Maneva, K. Mannheim, M. Mariotti, M. Martínez, K. Mase, D. Mazin, C. Merck, M. Meucci, M. Meyer, J. M. Miranda, R. Mirzoyan, S. Mizobuchi, A. Moralejo, K. Nilsson, E. Oña-Wilhelmi, R. Orduña, N. Otte, I. Oya, D. Paneque, R. Paoletti, M. Pasanen, D. Pascoli, F. Pauss, N. Pavel, R. Pegna, L. Peruzzo, A. Piccioli, E. Prandini, J. Rico, W. Rhode, B. Riegel, M. Rissi, A. Robert, G. Rossato, S. Rügamer, A. Saggion, A. Sánchez, P. Sartori, V. Scalzotto, R. Schmitt, T. Schweizer, M. Shayduk, K. Shinozaki, S. Shore, N. Sidro, A. Sillanpää, D. Sobczynska, A. Stamerra, L. Stark, L. Takalo, P. Temnikov, D. Tescaro, M. Teshima, N. Tonello, A. Torres, D. F. Torres, N. Turini, H. Vankov, V. Vitale, R. M. Wagner, T. Wibig, W. Wittek, and J. Zapatero. 637, L41 (2006)
- Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. J. Albert, E. Aliu, H. Anderhub, P. Antoranz, A. Armada, M. Asensio, C. Baixeras, J. A. Barrio, M. Bartel, H. Bartko, D. Bastieri, R. Bavikadi, W. Bednarek, K. Berger, C. Bigongiari, A. Biland, E. Bisesi, R. K. Bock, T. Bretz, I. Britvitch, M. Camara, A. Chilingarian, S. Ciprini, J. A. Coarasa, S. Commichau, J. L. Contreras, J. Cortina, V. Curtef, V. Danielyan, F. Dazzi, A. De Angelis, R. de los Reyes, B. De Lotto, E. Domingo-Santamaría, D. Dörner, M. Doro, M. Errando, M. Fagiolini, D. Ferenc, E. Fernández, R. Firpo, J. Flix, M. V. Fonseca, L. Font, N. Galante, M. Garczarezyk, M. Gaug, M. Giller, F. Goebel, D. Hakobyan, M. Hayashida, T. Hengstebeck, D. Höhne, J. Hose, P. Jacon, O. Kalekin, D. Kranich, A. Laille, T. Lenisa, P. Liebing, E. Lindfors, F. Longo, J. López, M. López, E. Lorenz, F. Lucarelli, P. Majumdar, G. Maneva, K. Mannheim, M. Mariotti, M. Martínez, K. Mase, D. Mazin, M. Meucci, M. Meyer, J. M. Miranda, R. Mirzoyan, S. Mizobuchi, A. Moralejo, K. Nilsson, E. Oña-Wilhelmi, R. Orduña, N. Otte, I. Oya, D. Paneque, R. Paoletti, M. Pasanen, D. Pascoli, F. Pauss, N. Pavel, R. Pegna, L. Peruzzo, A. Piccioli, E. Prandini, W. Rhode, J. Rico, B. Riegel, M. Rissi, A. Robert, S. Rügamer, A. Saggion, A. Sánchez, P. Sartori, V. Scalzotto, R. Schmitt, T. Schweizer, M. Shayduk, K. Shinozaki, S. Shore, N. Sidro, A. Sillanpää, D. Sobczynska, A. Stamerra, L. S. Stark, L. Takalo, P. Temnikov, D. Tescaro, M. Teshima, N. Tonello, A. Torres, D. F. Torres, N. Turini, H. Vankov, A. Vardanyan, V. Vitale, R. M. Wagner, T. Wibig, W. Wittek, and J. Zapatero. 641, L9 (2006)
- Discovery of Very High Energy Gamma Rays from IES 1218+30.4. J. Albert, E. Aliu, H. Anderhub, P. Antoranz, A. Armada, M. Asensio, C. Baixeras, J. A. Barrio, M. Bartel, H. Bartko, D. Bastieri, S. R. Bavikadi, W. Bednarek, K. Berger, C. Bigongiari, A. Biland, E. Bisesi, R. K. Bock, T. Bretz, I. Britvitch, M. Camara, A. Chilingarian, S. Ciprini, J. A. Coarasa, S. Commichau, J. L. Contreras, J. Cortina, V. Curtef, V. Danielyan, F. Dazzi, A. De Angelis, R. de los Reyes, B. De Lotto, E. Domingo-Santamaría, D. Dörner, M. Doro, M. Errando, M. Fagiolini, D. Ferenc, E. Fernández, R. Firpo, J. Flix, M. V. Fonseca, L. Font, N. Galante, M. Garczarezyk, M. Gaug, M. Giller, F. Goebel, D. Hakobyan, M. Hayashida, T. Hengstebeck, D. Höhne, J. Hose, P. Jacon, O. Kalekin, D. Kranich, A. Laille, T. Lenisa, P. Liebing, E. Lindfors, F. Longo, J. López, M. López, E. Lorenz, F. Lucarelli, P. Majumdar, G. Maneva, K. Mannheim, M. Mariotti, M. Martínez, K. Mase, D. Mazin, M. Meucci, M. Meyer, J. M. Miranda, R. Mirzoyan, S. Mizobuchi, A. Moralejo, K. Nilsson, E. Oña-Wilhelmi, R. Orduña, N. Otte, I. Oya, D. Paneque, R. Paoletti, M. Pasanen, D. Pascoli, F. Pauss, N. Pavel, R. Pegna, L. Peruzzo, A. Piccioli, M. Poller, E. Prandini, W. Rhode, J. Rico, B. Riegel, M. Rissi, A. Robert, S. Rügamer, A. Saggion, A. Sánchez, P. Sartori, V. Scalzotto, R. Schmitt, T. Schweizer, M. Shayduk, K. Shinozaki, S. N. Shore, N. Sidro, A. Sillanpää, D. Sobczynska, A. Stamerra, L. S. Stark, L. Takalo, P. Temnikov, D. Tescaro, M. Teshima, N. Tonello, A. Torres, D. F. Torres, N. Turini, H. Vankov, A. Vardanyan, V. Vitale, R. M. Wagner, T. Wibig, W. Wittek, and J. Zapatero. 642, L119 (2006)
- Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. J. Albert, E. Aliu, H. Anderhub, P. Antoranz, A. Armada, M. Asensio, C. Baixeras, J. A. Barrio, M. Bartel, H. Bartko, D. Bastieri, S. R. Bavikadi, W. Bednarek, K. Berger, C. Bigongiari, A.

- Biland, E. Bisexi, R. K. Bock, P. Bordas, V. Bosch-Ramon, T. Bretz, I. Britvitch, M. Camara, E. Carmona, A. Chilingarian, S. Ciprini, J. A. Coarasa, S. Commichau, J. L. Contreras, J. Cortina, V. Curtef, T. M. Dame, V. Danielyan, F. Dazzi, A. De Angelis, R. de los Reyes, B. De Lotto, E. Domingo-Santamaría, D. Dörner, M. Doro, M. Errando, M. Fagiolini, D. Ferenc, E. Fernández, R. Firpo, J. Flix, M. V. Fonseca, L. Font, M. Fuchs, N. Galante, M. Garczarezyk, M. Gang, M. Giller, F. Goebel, D. Hakobyan, M. Hayashida, T. Hengstebeck, D. Höhne, J. Hose, C. C. Hsu, P. G. Isar, P. Jacon, O. Kalekin, R. Kasyra, D. Kranich, M. Laatiaoui, A. Laille, T. Lenisa, P. Liebing, E. Lindfors, S. Lombardi, F. Longo, J. López, M. López, E. Lorenz, F. Lucarelli, P. Majumdar, G. Maneva, K. Mannheim, O. Mansutti, M. Mariotti, M. Martínez, K. Mase, D. Mazin, C. Merck, M. Meucci, M. Meyer, J. M. Miranda, R. Mirzoyan, S. Mizobuchi, A. Moralejo, K. Nilsson, E. Oña-Wilhelmi, R. Orduña, N. Otte, I. Oya, D. Paneque, R. Paoletti, J. M. Paredes, M. Pasanen, D. Pascoli, F. Pauss, N. Pavel, R. Pegna, M. Persic, L. Peruzzo, A. Piccioli, M. Poller, E. Prandini, A. Raymers, J. Rico, W. Rhode, M. Ribó, B. Riegel, M. Rissi, A. Robert, S. Rüggamer, A. Saggion, A. Sánchez, P. Sartori, V. Scalzotto, V. Scapin, R. Schmitt, T. Schweizer, M. Shayduk, K. Shinozaki, S. N. Shore, N. Sidro, A. Sillanpää, D. Sobczynska, A. Stamerra, L. S. Stark, L. Takalo, P. Tennikov, D. Tesaro, M. Teshima, N. Tonello, A. Torres, D. F. Torres, N. Turini, H. Vankov, V. Vitale, R. M. Wagner, T. Wibig, W. Wittek, R. Zanin, and J. Zapatero. 643, L53 (2006)
- Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. J. Albert, E. Aliu, H. Anderhub, P. Antoranz, A. Armada, M. Asensio, C. Baixeras, J. A. Barrio, H. Bartko, D. Bastieri, J. Becker, W. Bednarek, K. Berger, C. Bigongiari, A. Biland, E. Bisexi, R. K. Bock, P. Bordas, V. Bosch-Ramon, T. Bretz, I. Britvitch, M. Camara, E. Carmona, A. Chilingarian, S. Ciprini, J. A. Coarasa, S. Commichau, J. L. Contreras, J. Cortina, V. Curtef, V. Danielyan, F. Dazzi, A. De Angelis, R. de los Reyes, B. De Lotto, E. Domingo-Santamaría, D. Dörner, M. Doro, M. Errando, M. Fagiolini, D. Ferenc, E. Fernández, R. Firpo, J. Flix, M. V. Fonseca, L. Font, M. Fuchs, N. Galante, M. Garczarezyk, M. Gang, M. Giller, F. Goebel, D. Hakobyan, M. Hayashida, T. Hengstebeck, D. Höhne, J. Hose, C. C. Hsu, P. Jacon, O. Kalekin, R. Kasyra, D. Kranich, M. Laatiaoui, A. Laille, T. Lenisa, P. Liebing, E. Lindfors, S. Lombardi, F. Longo, J. López, M. López, E. Lorenz, P. Majumdar, G. Maneva, K. Mannheim, O. Mansutti, M. Mariotti, M. Martínez, D. Mazin, C. Merck, M. Meucci, M. Meyer, J. M. Miranda, R. Mirzoyan, S. Mizobuchi, A. Moralejo, K. Nilsson, J. Ninkovic, E. Oña-Wilhelmi, R. Orduña, N. Otte, I. Oya, D. Paneque, R. Paoletti, J. M. Paredes, M. Pasanen, D. Pascoli, F. Pauss, R. Pegna, M. Persic, L. Peruzzo, A. Piccioli, M. Poller, E. Prandini, A. Raymers, W. Rhode, M. Ribó, J. Rico, B. Riegel, M. Rissi, A. Robert, S. Rüggamer, A. Saggion, A. Sánchez, P. Sartori, V. Scalzotto, V. Scapin, R. Schmitt, T. Schweizer, M. Shayduk, K. Shinozaki, S. N. Shore, N. Sidro, A. Sillanpää, D. Sobczynska, A. Stamerra, L. S. Stark, L. Takalo, P. Tennikov, D. Tesaro, M. Teshima, N. Tonello, A. Torres, D. F. Torres, N. Turini, H. Vankov, V. Vitale, R. M. Wagner, T. Wibig, W. Wittek, R. Zanin, and J. Zapatero. 648, L105 (2006)
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- ALEXAKIS, ALEXANDROS. On the Inverse Cascade of Magnetic Helicity. Alexandros Alexakis, Pablo D. Mininni, and Annick Pouquet. 640, 335 (2006)
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- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
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- of Polycyclic Aromatic Hydrocarbon Radical Cations in Amorphous Water Ices up to 120 K: Astronomical Implications. 638, 286 (2006)
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- See SHANG, HSIEN, et al. A Unified Model for Bipolar Outflows from Young Stars. 649, 845 (2006)
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- See LEE, JEONG-EUN, et al. The *Spitzer* c2d Survey of Nearby Dense Cores. III. Low-Mass Star Formation in a Small Group, L1251B. 648, 491 (2006)
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- ALLEN, RONALD J. See RODRÍGUEZ, MÓNICA IVETTE, et al. Anomalous H_2CO Absorption toward the Galactic Anticenter: A Blind Search for Dense Molecular Clouds. 652, 1230 (2006)
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- ALLER, H. See REBILLOT, P. F., et al. Multiwavelength Observations of the Blazar Markarian 421 in 2002 December and 2003 January. 641, 740 (2006)
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- Low Mach Number Modeling of Type Ia Supernovae. II. Energy Evolution. *A. S. Almgren, J. B. Bell, C. A. Rendleman, and M. Zingale*. 649, 927 (2006)
- ALOISI, A. See GRIMES, J. P., et al. Far-Ultraviolet and X-Ray Observations of VV 114: Feedback in a Local Analog to Lyman Break Galaxies. 648, 310 (2006)
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- ALONSO-HERRERO, ALMUDENA. Near-Infrared and Star-forming Properties of Local Luminous Infrared Galaxies. *Almudena Alonso-Herrero, George H. Rieke, Marcia J. Rieke, Luis Colina, Pablo G. Pérez-González, and Stuart D. Ryder*. 650, 835 (2006)
- High Spatial Resolution T-ReCS Mid-Infrared Imaging of Luminous Infrared Galaxies. *Almudena Alonso-Herrero, Luis Colina, Christopher Packham, Tanio Díaz-Santos, George H. Rieke, James T. Radoski, and Charles M. Telesco*. 652, L83 (2006)
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- The N2K Consortium. IV. New Temperatures and Metallicities for More than 100,000 FGK Dwarfs. *S. Mark Ammons, Sarah E. Robinson, Jay Strader, Gregory Laughlin, Debra Fischer, and Aaron Wolf*. 638, 1004 (2006)
- AN, D. See MIRABAL, N., et al. GRB 060218/SN 2006aj: A Gamma-Ray Burst and Prompt Supernova at $z = 0.0335$. 643, L99 (2006)
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- See TRUMP, JONATHAN R., et al. A Catalog of Broad Absorption Line Quasars from the Sloan Digital Sky Survey Third Data Release. 165, 1 (2006)
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- Gamma-Ray and X-Ray Observations with the *Swift* Satellite. 639, 303 (2006)
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- Discovery of H α Absorption in the Unusual Broad Absorption Line Quasar SDSS J083942.11+380526.3. *Kentaro Aoki, Ikuru Iwata, Kouji Ohta, Masataka Ando, Masayuki Akiyama, and Naoyuki Tamura*. 651, 84 (2006)
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- Spectroscopy with the ESO VLT and the Keck I Telescope. 641, L145 (2006)
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- AUBOURG, E. See SULLIVAN, M., et al. Rates and Properties of Type Ia Supernovae as a Function of Mass and Star Formation in Their Host Galaxies. 648, 868 (2006)
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- First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star. *J. P. Aufdenberg, A. Mérand, V. Coudé du Foresto, O. Absil, E. Di Folco, P. Kervella, S. T. Ridgway, D. H. Berger, T. A. ten Brummelaar, H. A. McAlister, J. Sturmman, L. Sturmman, and N. H. Turner*. 645, 664 (2006)
- Erratum: "First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star" (ApJ, 645, 664 [2006]). *J. P. Aufdenberg, A. Mérand, V. Coudé du Foresto, O. Absil, E. Di Folco, P. Kervella, S. T. Ridgway, D. H. Berger, T. A. ten Brummelaar, H. A. McAlister, J. Sturmman, L. Sturmman, and N. H. Turner*. 651, 617 (2006)
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- The Remarkable Far-Ultraviolet Spectrum of FK Comae Berenices: King of Spin. *Thomas R. Ayres, Graham M. Harper, Alexander Brown, Heidi Korhonen, Ilya V. Ilyin, Seth Redfield, and Brian E. Wood*. 644, 464 (2006)
- The Corona of γ Draconis. *Thomas R. Ayres, Alexander Brown, and Graham M. Harper*. 651, 1126 (2006)
- AZCONA, J. See KRAFT, R. P., et al. The Hot Gas Environment of the Radio Galaxy 3C 388: Quenching the Accumulation of Cool Gas in a Cluster Core by a Nuclear Outburst. 639, 753 (2006)
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- See RAKOWSKI, CARA E., et al. Can Ejecta-dominated Supernova Remnants be Typed from Their X-Ray Spectra? The Case of G337.2-0.7. 646, 982 (2006)
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- Fe XXII: Laboratory Measurements and Theoretical Calculations. 642, 1275 (2006)
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- BAGANOFF, F. K. See MUNO, M. P., et al. Isolated, Massive Supergiants near the Galactic Center. 638, 183 (2006)
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- BAHCALL, JOHN N. 10,000 Standard Solar Models: A Monte Carlo Simulation. *John N. Bahcall, Aldo M. Serenelli, and Sarbani Basu*. 165, 400 (2006)
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- See WRAY, JAMES J., et al. The Shape, Multiplicity, and Evolution of Superclusters in Λ CDM Cosmology. 652, 907 (2006)
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- BAKOS, G. Á. Refined Parameters of the Planet Orbiting HD 189733. *G. Á. Bakos, H. Knutson, F. Pont, C. Moutou, D. Charbonneau, A. Shporer, F. Bouchy, M. Everett, C. Hergenrother, D. W. Latham, M. Mayor, T. Mazeh, R. W. Noyes, D. Queloz, A. Pál, and S. Udry*. 650, 1160 (2006)
- BAKOS, GÁSPÁR. See CHARBONNEAU, DAVID, et al. Transit Photometry of the Core-dominated Planet HD 149026b. 636, 445 (2006)
- BAKOS, GÁSPÁR Á. See HOLMAN, MATTHEW J., et al. The Transit Light Curve Project. I. Four Consecutive Transits of the Exoplanet XO-1b. 652, 1715 (2006)
- A Stellar Companion in the HD 189733 System with a Known Transiting Extrasolar Planet. *Gáspár Á. Bakos, András Pál, David W. Latham, Robert W. Noyes, and Robert P. Stefanik*. 641, L57 (2006)
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- BALDI, A. Chemical Enrichment of the Complex Hot ISM of the Antennae Galaxies. I. Spatial and Spectral Analysis of the Diffuse X-Ray Emission. A. Baldi, J. C. Raymond, G. Fabbiano, A. Zezas, A. H. Rots, F. Schweizer, A. R. King, and T. J. Ponman. 162, 113 (2006)
- See ZEAS, A., et al. *Chandra* Monitoring Observations of The Antennae Galaxies. I. Catalog of Source Properties. 166, 211 (2006)
- Chemical Enrichment of the Complex Hot ISM of the Antennae Galaxies. II. Physical Properties of the Hot Gas and Supernova Feedback. A. Baldi, J. C. Raymond, G. Fabbiano, A. Zezas, A. H. Rots, F. Schweizer, A. R. King, and T. J. Ponman. 636, 158 (2006)
- See SORIA, R., et al. Accretion and Nuclear Activity of Quiescent Supermassive Black Holes. I. X-Ray Study. 640, 126 (2006)
- See SORIA, R., et al. Accretion and Nuclear Activity of Quiescent Supermassive Black Holes. II. Optical Study and Interpretation. 640, 143 (2006)
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- BALLANTYNE, D. R. Connecting Galaxy Evolution, Star Formation, and the Cosmic X-Ray Background. D. R. Ballantyne, J. E. Everett, and N. Murray. 639, 740 (2006)
- Does the AGN Unified Model Evolve with Redshift? Using the X-Ray Background to Predict the Mid-Infrared Emission of AGNs. D. R. Ballantyne, Y. Shi, G. H. Rieke, J. L. Donley, C. Papovich, and J. R. Rigby. 653, 1070 (2006)
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- BALLESTEROS-PAREDES, JAVIER. The Mass Spectra of Cores in Turbulent Molecular Clouds and Implications for the Initial Mass Function. Javier Ballesteros-Paredes, Adriana Gazol, Jongsoo Kim, Ralf S. Klessen, Anne-Katharina Jappsen, and Epimenio Tejero. 637, 384 (2006)
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- BALOG, ZOLTAN. *Spitzer* MIPS 24 μ m Detection of Photoevaporating Protoplanetary Disks. Zoltan Balog, G. H. Rieke, Kate Y. L. Su, James Muzerolle, and Erick T. Young. 650, L83 (2006)
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- BALTAY, C. See ALDERING, G., et al. Nearby Supernova Factory Observations of SN 2005gj: Another Type Ia Supernova in a Massive Circumstellar Envelope. 650, 510 (2006)
- BALTZ, EDWARD A. See WATERS, CHRISTOPHER Z., et al. Luminosity Function of Faint Globular Clusters in M87. 650, 885 (2006)
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- BANERJEE, D. P. K. *Spitzer* Observations of V838 Monocerotis: Detection of a Rare Infrared Light Echo. D. P. K. Banerjee, K. Y. L. Su, K. A. Misselt, and N. M. Ashok. 644, L57 (2006)
- BANERJEE, DIPANKAR P. K. See GEORGE, KOSHY, et al. A Late, Infrared Flash from the Afterglow of GRB 050319. 640, L13 (2006)
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- See CHURCHWELL, E., et al. The Bubbly Galactic Disk. 649, 759 (2006)
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- for Surveys Search for Brown Dwarf Binaries in the Pleiades Open Cluster. 637, 1056 (2006)
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- BARAI, PARAMITA. Erratum: "The Dependence of General Relativistic Accretion on Black Hole Spin" (ApJ, 613, L49 [2004]). *Paramita Barai, Tapas K. Das, and Paul J. Witta*. 640, L107 (2006)
- BARAN, A. See VUČKOVIĆ, M., et al. Whole Earth Telescope Observations of the Pulsating Subdwarf B Star PG 0014+067. 646, 1230 (2006)
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- BARENTINE, J. C. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
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- See BELOKUROV, V., et al. A Faint New Milky Way Satellite in Bootes. 647, L111 (2006)
- See ZUCKER, D. B., et al. A Curious Milky Way Satellite in Ursa Major. 650, L41 (2006)
- BAREYRE, P. See ASSEF, R. J., et al. Removing the Microlensing Blending-Parallax Degeneracy Using Source Variability. 649, 954 (2006)
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- See YANG, Y., et al. Spatial Correlation Function of the *Chandra*-selected Active Galactic Nuclei. 645, 68 (2006)
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- BARING, MATTHEW G. Temporal Evolution of Pair Attenuation Signatures in Gamma-Ray Burst Spectra. *Matthew G. Baring*. 650, 1004 (2006)
- BARINOV, G. CH* Radiative Association. *Girts Barinovs and Marc C. van Hemert*. 636, 923 (2006)
- BARKHOUSE, W. A. See KIM, D.-W., et al. *Chandra* Multiwavelength Project: Normal Galaxies at Intermediate Redshift. 644, 829 (2006)
- ChAMP Serendipitous Galaxy Cluster Survey. *W. A. Barkhouse, P. J. Green, A. Vikhlinin, D.-W. Kim, D. Perley, R. Cameron, J. Silverman, A. Mossman, R. Burenin, B. T. Jannuzi, M. Kim, M. G. Smith, R. C. Smith, H. Tananbaum, and B. J. Wilkes*. 645, 955 (2006)
- BARKUM, P. S. See AOKI, W., et al. HE 1327-2326, an Unevolved Star with $[\text{Fe}/\text{H}] < -5.0$. I. A Comprehensive Abundance Analysis. 639, 897 (2006)
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- BARKUM, K. M. Water Ice on the Satellite of Kuiper Belt Object 2003 EL₆₁. *K. M. Barkum, M. E. Brown, and E. L. Schaller*. 640, L87 (2006)
- BARKUM, KRISTINA. See RABINOWITZ, DAVID L., et al. Photometric Observations Constraining the Size, Shape, and Albedo of 2003 EL₆₁, a Rapidly Rotating, Pluto-sized Object in the Kuiper Belt. 639, 1238 (2006)
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- BARMBY, P. See BUCKALEW, BRENT A., et al. Understanding Radio-selected Thermal Sources in M33: Ultraviolet, Optical, Near-Infrared, *Spitzer* Mid-Infrared, and Radio Observations. 162, 329 (2006)
- See ALONSO-HERRERO, A., et al. Infrared Power-Law Galaxies in the *Chandra* Deep Field-South: Active Galactic Nuclei and Ultraluminous Infrared Galaxies. 640, 167 (2006)
- Mid-Infrared Properties of X-Ray Sources in the Extended Groth Strip. *P. Barmby, A. Alonso-Herrero, J. L. Donley, E. Egami, G. G. Fazio, A. Georgakakis, J.-S. Huang, E. S. Laird, S. Miyazaki, K. Nandra, S. Q. Park, P. G. Pérez-González, G. H. Rieke, J. R. Rigby, and S. P. Willner*. 642, 126 (2006)
- See DYE, S., et al. An Investigation of the Submillimeter Background Radiation Using SCUBA and *Spitzer*. 644, 769 (2006)
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- BARNARD, V. See BORYS, C., et al. MIPS J142824.0+352619: A Hyperluminous Starburst Galaxy at $z = 1.325$. 636, 134 (2006)
- BARNES, D. G. See BRIGGS, F. H., et al. H I 21 cm Observations of the PG 1216+069 Sub-damped Ly α Absorber Field at $z = 0.00632$. 640, L127 (2006)
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- BARNES, G. Quantifying the Performance of Force-free Extrapolation Methods Using Known Solutions. *G. Barnes, K. D. Leka, and M. S. Wheatland*. 641, 1188 (2006)
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- Spectral Modeling of SNe Ia Near Maximum Light: Probing the Characteristics of Hydrodynamical Models. *E. Baron, Sebastien Bongard, David Branch, and Peter H. Hauschildt*. 645, 480 (2006)
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- The Fundamental Plane in RX J0142.0+2131: A Galaxy Cluster Merger at $z = 0.28$. *Jordi Barr, Inger Jorgensen, Kristin Chiboucas, Roger Davies, and Marcel Bergmann*. 649, L1 (2006)
- BARRADO Y NAVASCUÉS, D. See MORALES-CALDERÓN, M., et al. A Sensitive Search for Variability in Late L Dwarfs: The Quest for Weather. 653, 1454 (2006)
- BARRAGÁN, P. Calculation of Rate Coefficients for Electron Capture in Collisions of O^{2+} and N^{2+} Ions with H. *P. Barragán, L. F. Errea, L. Méndez, I. Rabadán, and A. Riera*. 636, 544 (2006)
- BARRENA, R. See RAMOS ALMEIDA, C., et al. The Narrow-Line Region of the Seyfert 2 Galaxy Mrk 78: An Infrared View. 645, 148 (2006)
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- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- BARTOLINI, C. See ZURITA, C., et al. The 2005 Outburst of the Halo Black Hole X-Ray Transient XTE J1118+480. 644, 432 (2006)

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- INTEGRAL* IBIS Extragalactic Survey: Active Galactic Nuclei Selected at 20–100 keV. *L. Bassani, M. Molina, A. Malizia, J. B. Stephen, A. J. Bird, A. Bazzano, G. Bellanger, A. J. Dean, A. De Rosa, P. Laurent, F. Lebrun, P. Ubertini, and R. Walter*. 636, L65 (2006)
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- Polarization Observations of the Anomalous Microwave Emission in the Perseus Molecular Complex with the COSMOSOMAS Experiment. *E. S. Battistelli, R. Rebolo, J. A. Rubiño-Martín, S. R. Hildebrandt, R. A. Watson, C. Gutiérrez, and R. J. Hoyland*. 645, L141 (2006)
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- BAZER-BACHI, A. R. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- BAZZANO, A. See BIRD, A. J., et al. The Second IBIS/ISGRI Soft Gamma-Ray Survey Catalog. 636, 765 (2006)
- See CAPITANIO, F., et al. Spectral States of the X-Ray Binary IGR J17091–3624 Observed by *INTEGRAL* and *RXTE*. 643, 376 (2006)
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- INTEGRAL* IBIS Census of the Sky Beyond 100 keV. A. Bazzano, J. B. Stephen, M. Focichi, A. J. Bird, L. Bassani, A. J. Dean, A. Malizia, P. Ubertini, F. Lebrun, R. Walter, and C. Winkler. 649, L9 (2006)
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- A Population of Binaries in the Asymptotic Giant Branch of 47 Tucanae? *Giacomo Beccari, Francesco R. Ferraro, Barbara Lanzoni, and Michele Bellazzini*. 652, L121 (2006)
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- BECKER, WERNER. A Multiwavelength Study of the Pulsar PSR B1929+10 and Its X-Ray Trail. *Werner Becker, Michael Kramer, Axel Jessner, Ronald E. Taam, Jian J. Jia, Kwong S. Cheng, Roberto Mignani, Alberto Pellizzoni, Andrea de Luca, Agnieszka Slowikowska, and Patrizia A. Caraveo*. 645, 1421 (2006)
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- the Unidentified γ -Ray Source 3EG J2020+4017 (2CG078+2). 652, 387 (2006)
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- BECKMANN, V. The First *INTEGRAL* AGN Catalog. V. Beckmann, N. Gehrels, C. R. Shrader, and S. Soldi. 638, 642 (2006)
- The Hard X-Ray 20-40 keV AGN Luminosity Function. V. Beckmann, S. Soldi, C. R. Shrader, N. Gehrels, and N. Produit. 652, 126 (2006)
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- BEDDING, TIMOTHY R. Solar-like Oscillations in the Metal-poor Subgiant ν Indi: Constraining the Mass and Age Using Asteroseismology. Timothy R. Bedding, R. Paul Butler, Fabien Carrier, Francois Bouchy, Brendon J. Brewer, Patrick Eggenberger, Frank Grundahl, Hans Kjeldsen, Chris McCarthy, Tine Bjorn Nielsen, Alon Retter, and Christopher G. Tinney. 647, 558 (2006)
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- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
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- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
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- See ZUCKER, D. B., et al. A New Milky Way Dwarf Satellite in Canes Venatici. 643, L103 (2006)
- See BELOKUROV, V., et al. A Faint New Milky Way Satellite in Bootes. 647, L111 (2006)
- See ZUCKER, D. B., et al. A Curious Milky Way Satellite in Ursa Major. 650, L41 (2006)
- BEERS, TIMOTHY C. See ALLENDE PRIETO, CARLOS, et al. A Spectroscopic Study of the Ancient Milky Way: F- and G-Type Stars in the Third Data Release of the Sloan Digital Sky Survey. 636, 804 (2006)
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- IRS Spectra of Solar-Type Stars: A Search for Asteroid Belt Analogs. C. A. Beichman, A. Tanner, G. Bryden, K. R. Stapelfeldt, M. W. Werner, G. H. Rieke, D. E. Trilling, S. Lawler, and T. N. Gautier. 639, 1166 (2006)
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- New Debris Disks around Nearby Main-Sequence Stars: Impact on the Direct Detection of Planets. C. A. Beichman, G. Bryden, K. R. Stapelfeldt, T. N. Gautier, K. Grogan, M. Shao, T. Velusamy, S. M. Lawler, M. Blaylock, G. H. Rieke, J. I. Lunine, D. A. Fischer, G. W. Marcy, J. S. Greaves, M. C. Wyatt, W. S. Holland, and W. R. F. Dent. 652, 1674 (2006)
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- BEIRÃO, P. Spatially Resolved *Spitzer* Spectroscopy of the Starburst Nucleus in NGC 5253. P. Beirão, B. R. Brandl, D. Devost, J. D. Smith, L. Hao, and J. R. Houck. 643, L1 (2006)
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- BÉLANGER, G. A Persistent High-Energy Flux from the Heart of the Milky Way: *INTEGRAL*'s View of the Galactic Center. G. Bélanger, A. Goldwurm, M. Renaud, R. Terrier, F. Melia, N. Lund, J. Paul, G. Skinner, and F. Yusef-Zadeh. 636, 275 (2006)
- See BIRD, A. J., et al. The Second IBIS/ISGRI Soft Gamma-Ray Survey Catalog. 636, 765 (2006)

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- See ZUCKER, D. B., et al. A Curious Milky Way Satellite in Ursa Major. 650, L41 (2006)
- BELOV, K. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- BELTON, MICHAEL J. S. See FELDMAN, PAUL D., et al. Carbon Monoxide in Comet 9P/Tempel 1 before and after the *Deep Impact* Encounter. 647, L61 (2006)
- BELZ, J. W. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- BEMPORAD, A. Current Sheet Evolution in the Aftermath of a CME Event. *A. Bemporad, G. Poletto, S. T. Suess, Y.-K. Ko, N. A. Schwadron, H. A. Elliott, and J. C. Raymond*. 638, 1110 (2006)
- BENABED, K. See HOEKSTRA, H., et al. First Cosmic Shear Results from the Canada-France-Hawaii Telescope Wide Synoptic Legacy Survey. 647, 116 (2006)
- BENACQUISTA, M. Consequences of Disk Scale Height on *LISA* Confusion Noise from Close White Dwarf Binaries. *M. Benacquista and K. Holley-Bockelmann*. 645, 589 (2006)
- BENAGLIA, PAULA. See BUTT, YOUSAF M., et al. Deeper *Chandra* Follow-up of Cygnus TeV Source Perpetuates Mystery. 643, 238 (2006)
- See COMBI, JORGE A., et al. *XMM-Newton* Detection of the Supernova Remnant G337.2+0.1. 653, L41 (2006)
- BENBOW, W. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- BENDER, C. See SIMON, M., et al. The G1569 Multiple System. 644, 1183 (2006)
- BENDER, R. See RIFFESER, A., et al. Microlensing toward Crowded Fields: Theory and Applications to M31. 163, 225 (2006)
- See DAVIES, R. I., et al. The Star-forming Torus and Stellar Dynamical Black Hole Mass in the Seyfert 1 Nucleus of NGC 3227. 646, 754 (2006)
- See NESVADBA, N. P. H., et al. Lyman Break Galaxies under a Microscope: The Small-Scale Dynamics and Mass of an Arc in the Cluster 1E 0657–56. 650, 661 (2006)
- See PANNELLA, M., et al. The Evolution of the Mass Function Split by Morphology up to Redshift 1 in the FORS Deep and the GOODS-S Fields. 639, L1 (2006)
- BENDO, G. J. See MURPHY, E. J., et al. An Initial Look at the Far-Infrared–Radio Correlation within Nearby Star-forming Galaxies Using the *Spitzer Space Telescope*. 638, 157 (2006)

- See DALE, D. A., et al. Mid-Infrared Spectral Diagnostics of Nuclear and Extranuclear Regions in Nearby Galaxies. 646, 161 (2006)
- See ROUSSEL, H., et al. The Opaque Nascent Starburst in NGC 1377: *Spitzer* SINGS Observations. 646, 841 (2006)
- See ENGELBRACHT, C. W., et al. Extended Mid-Infrared Aromatic Feature Emission in M82. 642, L127 (2006)
- See MURPHY, E. J., et al. The Effect of Star Formation on the Far-Infrared-Radio Correlation within Galaxies. 651, L111 (2006)
- BENDO, GEORGE J. *Spitzer* and JCMT Observations of the Active Galactic Nucleus in the Sombrero Galaxy (NGC 4594). *George J. Bendo, Brent A. Buckalew, Daniel A. Dale, Bruce T. Draine, Robert D. Joseph, Robert C. Kennicutt, Jr., Kartik Sheth, John-David T. Smith, Fabian Walter, Daniela Calzetti, John M. Cannon, Charles W. Engelbracht, Karl D. Gordon, George Helou, David Hollenbach, Eric J. Murphy, and Hélène Roussel.* 645, 134 (2006)
- See CANNON, JOHN M., et al. Warm Dust and Spatially Variable Polycyclic Aromatic Hydrocarbon Emission in the Dwarf Starburst Galaxy NGC 1705. 647, 293 (2006)
- See PÉREZ-GONZÁLEZ, PABLO G., et al. Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031). 648, 987 (2006)
- The Spectral Energy Distribution of Dust Emission in the Edge-on Spiral Galaxy NGC 4631 as Seen with *Spitzer* and the James Clerk Maxwell Telescope. *George J. Bendo, Daniel A. Dale, Bruce T. Draine, Charles W. Engelbracht, Robert C. Kennicutt, Jr., Daniela Calzetti, Karl D. Gordon, George Helou, David Hollenbach, Aigen Li, Eric J. Murphy, Moire K. M. Prescott, and John-David T. Smith.* 652, 283 (2006)
- See CANNON, JOHN M., et al. The Nature of Infrared Emission in the Local Group Dwarf Galaxy NGC 6822 as Revealed by *Spitzer*. 652, 1170 (2006)
- See PÉREZ-GONZÁLEZ, PABLO G., et al. Erratum: "Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031)" (ApJ. 648, 987 [2006]). 653, 812 (2006)
- BENEDICT, G. FRITZ. See BEAN, JACOB L., et al. Accurate M Dwarf Metallicities from Spectral Synthesis: A Critical Test of Model Atmospheres. 652, 1604 (2006)
- See BEAN, JACOB L., et al. Metallicities of M Dwarf Planet Hosts from Spectral Synthesis. 653, L65 (2006)
- BENETTI, S. See DELLA VALLE, M., et al. Hypernova Signatures in the Late Rebrightening of GRB 050525A. 642, L103 (2006)
- Supernova 2002ic: The Collapse of a Stripped-Envelope, Massive Star in a Dense Medium? *S. Benetti, E. Cappellaro, M. Turatto, S. Taubenberger, A. Harutyunyan, and S. Valenti.* 653, L129 (2006)
- BENEVOLENSKAYA, ELENA. See HAYASHI, KEIJI, et al. Three-Dimensional Magnetohydrodynamic Simulation of a Global Solar Corona Using a Temperature Distribution Map Obtained from *SOHO* EIT Measurements. 636, L165 (2006)
- BENFORD, DOMINIC J. See BEELEN, ALEXANDRE, et al. 350 μ m Dust Emission from High-Redshift Quasars. 642, 694 (2006)
- See RIECHERS, DOMINIK A., et al. CO(1-0) in $z \geq 4$ Quasar Host Galaxies: No Evidence for Extended Molecular Gas Reservoirs. 650, 604 (2006)
- BENISTY, M. See MONNIER, J. D., et al. Few Skewed Disks Found in First Closure-Phase Survey of Herbig Ae/Be Stars. 647, 444 (2006)
- See MILLAN-GABET, R., et al. Bright Localized Near-Infrared Emission at 1-4 AU in the AB Aurigae Disk Revealed by IOTA Closure Phases. 645, L77 (2006)
- BENÍTEZ, N. See OVERZIER, RODERIK A., et al. Clustering of Star-forming Galaxies Near a Radio Galaxy at $z = 5.2$. 637, 58 (2006)
- See MEI, S., et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Blue Early-Type Galaxies and Red Pairs in RDCS J0910+5422. 639, 81 (2006)
- See ZHENG, W., et al. An Overdensity of Galaxies near the Most Distant Radio-loud Quasar. 640, 574 (2006)
- See ZEKER, K. C., et al. Mass Modeling of Abell 1689 Advanced Camera for Surveys Observations with a Perturbed Navarro-Frenk-White Model. 640, 639 (2006)
- See DE UGARTE POSTIGO, A., et al. GRB 060121: Implications of a Short-/Intermediate-Duration γ -Ray Burst at High Redshift. 648, L83 (2006)
- BENJAMIN, R. A. See CHURCHWELL, E., et al. The Bubbly Galactic Disk. 649, 759 (2006)
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- See HEALD, GEORGE H., et al. Integral Field Unit Observations of NGC 891: Kinematics of the Diffuse Ionized Gas Halo. 647, 1018 (2006)
- See ESQUIVEL, ALEJANDRO, et al. Magnetohydrodynamic Turbulent Mixing Layers: Equilibrium Cooling Models. 648, 1043 (2006)
- BENLLOCH, SARA. See ROTHCHILD, RICHARD E., et al. *INTEGRAL* and *RXTE* Observations of Centaurus A. 641, 801 (2006)
- BENNETT, CHRIS J. Laboratory Studies on the Irradiation of Methane in Interstellar, Cometary, and Solar System Ices. *Chris J. Bennett, Corey S. Jamieson, Yoshihiro Osamura, and Ralf I. Kaiser.* 653, 792 (2006)
- BENNETT, D. P. See ASSEF, R. J., et al. Removing the Microlensing Blending-Parallax Degeneracy Using Source Variability. 649, 954 (2006)
- See GOULD, A., et al. Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. 644, L37 (2006)
- BENNETT, DAVID P. Identification of the OGLE-2003-BLG-235/MOA-2003-BLG-53 Planetary Host Star. *David P. Bennett, Jay Anderson, Ian A. Bond, Andrzej Udalski, and Andrew Gould.* 647, L171 (2006)
- BENSON, ANDREW J. See PEÑARRUBIA, JORGE, et al. Modeling Tidal Streams in Evolving Dark Matter Halos. 645, 240 (2006)
- BENSON, J. A. See PETERSON, D. M., et al. Resolving the Effects of Rotation in Altair with Long-Baseline Interferometry. 636, 1087 (2006)
- BENTZ, MISTY C. See PETERSON, BRADLEY M., et al. Erratum: "Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. I. A Reverberation-based Measurement of the Black Hole Mass" (ApJ. 632, 799 [2005]). 641, 638 (2006)
- The Radius-Luminosity Relationship for Active Galactic Nuclei: The Effect of Host-Galaxy Starlight on Luminosity Measurements. *Misty C. Bentz, Bradley M. Peterson, Richard W. Pogge, Marianne Vestergaard, and Christopher A. Onken.* 644, 133 (2006)
- See DESROCHES, LOUIS-BENOÎT, et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. III. Optical Variability and X-Ray/UV/Optical Correlations. 650, 88 (2006)
- A Reverberation-based Mass for the Central Black Hole in NGC 4151. *Misty C. Bentz, Kelly D. Denney, Edward M. Cackett, Matthias Dietrich, Jeffrey K. J. Fogel, Himel Ghosh, Keith Horne, Charles Kuehn, Takeo Minezaki, Christopher A. Onken, Bradley M. Peterson, Richard W. Pogge, Vladimir I. Pronik, Douglas O. Richstone, Sergey G. Sergeev, Marianne Vestergaard, Matthew G. Walker, and Yuzuru Yoshii.* 651, 775 (2006)
- See DENNEY, KELLY D., et al. The Mass of the Black Hole in the Seyfert 1 Galaxy NGC 4593 from Reverberation Mapping. 653, 152 (2006)
- BENZVI, S. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- BERCZIK, PETER. Efficient Merger of Binary Supermassive Black Holes in Nonaxisymmetric Galaxies. *Peter Berczik, David Merritt, Rainer Spurzem, and Hans-Peter Bischof.* 642, L21 (2006)
- BERDYUGIN, A. V. The Search for Polarization Variability in IM Pegasi. *A. V. Berdyugin, S. V. Berdyugina, V. Piirola, and A. G. Butkevich.* 651, 475 (2006)
- BERDYUGINA, S. V. See BERDYUGIN, A. V., et al. The Search for Polarization Variability in IM Pegasi. 651, 475 (2006)
- First Polarimetric Measurements and Modeling of the Paschen-Back Effect in CaH Transitions. *S. V. Berdyugina, D. M. Fluri, R. Ramelli, M. Bianda, D. Gisler, and J. O. Stenflo.* 649, L49 (2006)
- BERENTZEN, INGO. Stellar Bar Evolution in Cuspy and Flat-cored Triaxial CDM Halos. *Ingo Berentzen, Isaac Shlosman, and Sharda Jogle.* 637, 582 (2006)
- Growing Live Disks within Cosmologically Assembling Asymmetric Halos: Washing Out the Halo Prolateness. *Ingo Berentzen and Isaac Shlosman.* 648, 807 (2006)
- BERESNYAK, A. Polarization Intermittency and Its Influence on MHD Turbulence. *A. Beresnyak and A. Lazarian.* 640, L175 (2006)
- BEREZHKO, E. G. Magnetic Field in Supernova Remnant SN 1987A. *E. G. Berezhko and L. T. Ksenofontov.* 650, L59 (2006)
- BEREZINSKY, V. Diffusion of Cosmic Rays in the Expanding Universe. *I. V. Berezhinsky and A. Z. Gazizov.* 643, 8 (2006)
- BERG, P. See EDELSTEIN, J., et al. The SPEAR Instrument and On-Orbit Performance. 644, L159 (2006)
- BERGBUSCH, PETER A. See VANDENBERG, DON A., et al. The Victoria-Regina Stellar Models: Evolutionary Tracks and Isochrones for a Wide Range in Mass and Metallicity that Allow for Empirically Constrained Amounts of Convective Core Overshooting. 162, 375 (2006)
- BERGE, D. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- BERGER, D. H. See VAN BELLE, G. T., et al. First Results from the CHARA Array. III. Oblateness, Rotational Velocity, and Gravity Darkening of Alderamin. 637, 494 (2006)

- First Results from the CHARA Array. IV. The Interferometric Radii of Low-Mass Stars. *D. H. Berger, D. R. Gies, H. A. McAlister, T. A. ten Brummelaar, T. J. Henry, J. Sturmann, L. Sturmann, N. H. Turner, S. T. Ridgway, J. P. Aufdenberg, and A. Mérand.* 644, 475 (2006)
- See AUFDENBERG, J. P., et al. First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star. 645, 664 (2006)
- See AUFDENBERG, J. P., et al. Erratum: "First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star" (*ApJ*, 645, 664 [2006]). 651, 617 (2006)
- BERGER, E. See SODERBERG, A. M., et al. An *HST* Study of the Supernovae Accompanying GRB 040924 and GRB 041006. 636, 391 (2006)
- See SODERBERG, A. M., et al. Late-Time Radio Observations of 68 Type Ibc Supernovae: Strong Constraints on Off-Axis Gamma-Ray Bursts. 638, 930 (2006)
- Spectroscopy of GRB 050505 at $z = 4.275$: A log $M(H\ I) = 22.1$ DLA Host Galaxy and the Nature of the Progenitor. *E. Berger, B. E. Penprase, S. B. Cenko, S. R. Kulkarni, D. B. Fox, C. C. Steidel, and N. A. Reddy.* 642, 979 (2006)
- See PENPRASE, B. E., et al. Spectroscopy of GRB 051111 at $z = 1.54948$: Kinematics and Elemental Abundances of the GRB Environment and Host Galaxy. 646, 358 (2006)
- Radio Observations of a Large Sample of Late M, L, and T Dwarfs: The Distribution of Magnetic Field Strengths. *E. Berger.* 648, 629 (2006)
- See SODERBERG, A. M., et al. The Afterglow, Energetics, and Host Galaxy of the Short-Hard Gamma-Ray Burst 051221a. 650, 261 (2006)
- See CENKO, S. B., et al. Multiwavelength Observations of GRB 050820A: An Exceptionally Energetic Event Followed from Start to Finish. 652, 490 (2006)
- See FRAIL, D. A., et al. An Energetic Afterglow from a Distant Stellar Explosion. 646, L99 (2006)
- BERGER, J.-P. See MILLAN-GABET, R., et al. Keck Interferometer Observations of FU Orionis Objects. 641, 547 (2006)
- See MONNIER, J. D., et al. Few Skewed Disks Found in First Closure-Phase Survey of Herbig Ae/Be Stars. 647, 444 (2006)
- See RAGLAND, S., et al. First Surface-resolved Results with the Infrared Optical Telescope Array Imaging Interferometer: Detection of Asymmetries in Asymptotic Giant Branch Stars. 652, 650 (2006)
- See MILLAN-GABET, R., et al. Bright Localized Near-Infrared Emission at 1–4 AU in the AB Aurigae Disk Revealed by IOTA Closure Phases. 645, L77 (2006)
- See MONNIER, J. D., et al. No Expanding Fireball: Resolving the Recurrent Nova RS Ophiuchi with Infrared Interferometry. 647, L127 (2006)
- BERGER, K. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- BERGERON, E. See LEVAN, A. J., et al. The Faint Afterglow and Host Galaxy of the Short-Hard GRB 060121. 648, L9 (2006)
- BERGERON, EDDIE. See LEVAN, ANDREW, et al. Infrared and Optical Observations of GRB 030115 and its Extremely Red Host Galaxy: Implications for Dark Bursts. 647, 471 (2006)
- BERGERON, P. See TREMBLAY, P.-E., et al. A Quantitative Analysis of the Available Multicolor Photometry for Rapidly Pulsating Hot B Subdwarfs. 165, 551 (2006)
- See DUFOUR, P., et al. Model Atmosphere Analysis of the Weakly Magnetic DZ White Dwarf G1657–7. 651, 1112 (2006)
- BERGEVIN, M. See AHARIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- BERGIN, E. A. See RAGAN, S. E., et al. Molecular Line Observations of Infrared Dark Clouds: Seeking the Precursors to Intermediate and Massive Star Formation. 166, 567 (2006)
- See MENNELLA, V., et al. Synthesis of CO and CO₂ Molecules by UV Irradiation of Water Ice-covered Hydrogenated Carbon Grains. 643, 923 (2006)
- See SONNENTRUCKER, P., et al. Gas-Phase CO₂ Emission toward Cepheus A East: The Result of Shock Activity? 650, L71 (2006)
- BERGIN, EDWIN. See QI, CHUNHUA, et al. CO $J = 6-5$ Observations of TW Hydrae with the Submillimeter Array. 636, L157 (2006)
- BERGIN, EDWIN A. The Thermal Structure of Gas in Prestellar Cores: A Case Study of Barnard 68. *Edwin A. Bergin, Sébastien Maret, Floris F. S. van der Tak, João Alves, Sean M. Carmody, and Charles J. Lada.* 645, 369 (2006)
- See NEUFELD, DAVID A., et al. *Spitzer* Observations of HH 54 and HH 7–11: Mapping the H₂ Ortho-to-Para Ratio in Shocked Molecular Gas. 649, 816 (2006)
- See MATTHEWS, BRENDA C., et al. The Rotating Molecular Core and Precessing Outflow of the Young Stellar Object Barnard 1c. 652, 1374 (2006)
- See NEUFELD, DAVID A., et al. *Spitzer* Observations of Hydrogen Deuteride. 647, L33 (2006)
- BERGMAN, D. R. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- BERGMAN, P. See WHITE, GLENN J., et al. Methanol in the L1551 Circuminary Torus. 651, L41 (2006)
- BERGMANN, MARCEL. See JØRGENSEN, INGER, et al. The Fundamental Plane for $z = 0.8-0.9$ Cluster Galaxies. 639, L9 (2006)
- See BARR, JORDI, et al. The Fundamental Plane in RX J0142.0+2131: A Galaxy Cluster Merger at $z = 0.28$. 649, L1 (2006)
- BERGVALL, N. See ZACKRISSON, E., et al. The Red Halo Phenomenon. 650, 812 (2006)
- BERLIND, ANDREAS. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- BERLIND, ANDREAS A. Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. *Andreas A. Berlind, Joshua Frieman, David H. Weinberg, Michael R. Blanton, Michael S. Warren, Kevork Abazajian, Ryan Scranton, David W. Hogg, Roman Scoccimarro, Neta A. Bahcall, J. Brinkmann, J. Richard Gott III, S. J. Kleinman, J. Krzesinski, Brian C. Lee, Christopher J. Miller, Atsuko Nitta, Donald P. Schneider, Douglas L. Tucker, and Idit Zehavi (for The SDSS Collaboration).* 167, 1 (2006)
- See MASJEDI, MORAD, et al. Very Small Scale Clustering and Merger Rate of Luminous Red Galaxies. 644, 54 (2006)
- See HOGG, DAVID W., et al. What Triggers Galaxy Transformations? The Environments of Poststarburst Galaxies. 650, 763 (2006)
- See FARRAR, GLENNYS R., et al. Foreground and Source of a Cluster of Ultra-High-Energy Cosmic Rays. 642, L89 (2006)
- BERLIND, P. See MODJAZ, M., et al. Early-Time Photometry and Spectroscopy of the Fast Evolving SN 2006aj Associated with GRB 060218. 645, L21 (2006)
- BERNARDI, MARIANGELO A. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- BERNARDINI, MARIA GRAZIA. See RUFFINI, REMO, et al. GRB 050315: A Step toward Understanding the Uniqueness of the Overall Gamma-Ray Burst Structure. 645, L109 (2006)
- BERNARD-SALAS, J. See SLOAN, G. C., et al. The Unusual Silicate Dust around HV 2310, an Evolved Star in the Large Magellanic Cloud. 638, 472 (2006)
- See WU, YANLING, et al. Mid-Infrared Properties of Low-Metallicity Blue Compact Dwarf Galaxies from the *Spitzer* Infrared Spectrograph. 639, 157 (2006)
- See ARMUS, L., et al. Detection of the Buried Active Galactic Nucleus in NGC 6240 with the Infrared Spectrograph on the *Spitzer Space Telescope*. 640, 204 (2006)
- See BRANDL, B. R., et al. The Mid-Infrared Properties of Starburst Galaxies from *Spitzer*-IRS Spectroscopy. 653, 1129 (2006)
- See KRAEMER, KATHLEEN E., et al. A Post-AGB Star in the Small Magellanic Cloud Observed with the *Spitzer* Infrared Spectrograph. 652, L25 (2006)
- The *Spitzer* IRS spectrum of SMP LMC 11. *J. Bernard-Salas, E. Peeters, G. C. Sloan, J. Cami, S. Guiles, and J. R. Houck.* 652, L29 (2006)
- BERNLÖHR, K. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)

- BERNS, H. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- BERNS, H. G. See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- BERNSTEIN, G. Metric Tests for Curvature from Weak Lensing and Baryon Acoustic Oscillations. *G. Bernstein*. 637, 598 (2006)
- BERNSTEIN, GARY. See JARVIS, MIKE, et al. Dark Energy Constraints from the CTIO Lensing Survey. 644, 71 (2006)
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- BERNSTEIN, REBECCA. See MUÑOZ, RICARDO R., et al. Exploring Halo Substructure with Giant Stars. XI. The Tidal Tails of the Carina Dwarf Spheroidal Galaxy and the Discovery of Magellanic Cloud Stars in the Carina Foreground. 649, 201 (2006)
- BERNSTEIN, REBECCA A. See PROCHASKA, JASON X., et al. Supersolar Super-Lyman Limit Systems. 648, L97 (2006)
- See O'MEARA, JOHN M., et al. The Deuterium-to-Hydrogen Abundance Ratio toward the QSO SDSS J155810.16+003120.0. 649, L61 (2006)
- BERRIER, JOEL C. Close Galaxy Counts as a Probe of Hierarchical Structure Formation. *Joel C. Berrier, James S. Bullock, Elizabeth J. Barton, Heather D. Guenther, Andrew R. Zentner, and Risa H. Wechsler*. 652, 56 (2006)
- BERRILLI, F. See VITICCHIE, B., et al. Statistical Properties of Synthetic Nanoflares. 652, 1734 (2006)
- BERSHADY, M. A. See CRAWFORD, S. M., et al. Luminous Compact Blue Galaxies in Intermediate-Redshift Galaxy Clusters: A Significant but Extreme Butcher-Oemler Population. 636, L13 (2006)
- BERSHADY, MATTHEW A. See ANDERSEN, DAVID R., et al. The Photometric and Kinematic Structure of Face-on Disk Galaxies. I. Sample Definition, H α Integral Field Spectroscopy, and H I Line Widths. 166, 505 (2006)
- See HEALD, GEORGE H., et al. Integral Field Unit Observations of NGC 891: Kinematics of the Diffuse Ionized Gas Halo. 647, 1018 (2006)
- See BARTON, ELIZABETH J., et al. A Search for Low Surface Brightness Structure around Compact Narrow Emission Line Galaxies. 649, 129 (2006)
- BERSIER, D. Evidence for a Supernova Associated with the X-Ray Flash 020903. *D. Bersier, A. S. Fruchter, L.-G. Strolger, J. Gorosabel, A. Levan, I. Burud, J. E. Rhoads, A. C. Becker, A. Cassan, R. Chornock, S. Covino, R. S. de Jong, D. Dominis, A. V. Filippenko, J. Hjorth, J. Holmberg, D. Malesani, B. Mobasher, K. A. G. Olsen, M. Stefanon, J. M. Castro Cerón, J. P. U. Fynbo, S. T. Holland, C. Kouveliotou, H. Pedersen, N. R. Tanvir, and S. E. Woosley*. 643, 284 (2006)
- See LEVAN, A. J., et al. The First Swift X-Ray Flash: The Faint Afterglow of XRF 050215B. 648, 1132 (2006)
- See BONANOS, A. Z., et al. The First DIRECT Distance Determination to a Detached Eclipsing Binary in M33. 652, 313 (2006)
- See WATSON, D., et al. A log $N_{\text{H}} = 22.6$ Damped Ly α Absorber in a Dark Gamma-Ray Burst: The Environment of GRB 050401. 652, 1011 (2006)
- See MACRI, L. M., et al. A New Cepheid Distance to the Maser-Host Galaxy NGC 4258 and Its Implications for the Hubble Constant. 652, 1133 (2006)
- See LEVAN, A. J., et al. The Faint Afterglow and Host Galaxy of the Short-Hard GRB 060121. 648, L9 (2006)
- BERSIER, D. F. See MONFARDINI, A., et al. High-Quality Early-Time Light Curves of GRB 060206: Implications for Gamma-Ray Burst Environments and Energetics. 648, 1125 (2006)
- BERSIER, DAVID. See LEVAN, ANDREW, et al. Infrared and Optical Observations of GRB 030115 and its Extremely Red Host Galaxy: Implications for Dark Bursts. 647, 471 (2006)
- BERTA, S. See RISALITI, G., et al. The Double Active Galactic Nucleus in NGC 6240 Revealed through 3–5 μm Spectroscopy. 637, L17 (2006)
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- Looking at the Fundamental Plane through a Gravitational Lens. *G. Bertin and M. Lombardi*. 648, L17 (2006)
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- See RIECHERS, DOMINIK A., et al. First Detection of HCO $^{+}$ Emission at High Redshift. 645, L13 (2006)
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- BERUKOFF, STEVEN J. Cluster Core Dynamics in the Galactic Center. *Steven J. Berukoff and Bradley M. S. Hansen*. 650, 901 (2006)
- BESSELL, M. S. See SONG, INSEOK, et al. *HST* NICMOS Imaging of the Planetary-mass Companion to the Young Brown Dwarf 2MASSW J1207334–393254. 652, 724 (2006)
- See ZUCKERMAN, B., et al. The Carina-Near Moving Group. 649, L115 (2006)
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- BETANCORT-RIO, JUAN. See PRADA, FRANCISCO, et al. How Far Do They Go? The Outer Structure of Galactic Dark Matter Halos. 645, 1001 (2006)
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- BETANCORT-RIO, JUAN E. Detailed Theoretical Predictions for the Outskirts of Dark Matter Halos. *Juan E. Betancort-Rijo, Miguel A. Sanchez-Conde, Francisco Prada, and Santiago G. Patiri*. 649, 579 (2006)
- Understanding the Cosmic Mass Function High-Mass Behavior. *Juan E. Betancort-Rijo and Antonio D. Montero-Dorta*. 650, L95 (2006)
- The Halo Mass Function Redshift Dependence. *Juan E. Betancort-Rijo and Antonio D. Montero-Dorta*. 653, L77 (2006)
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- BETTS, NICHOLAS B. Gas-Phase Study of Coronene Cation Reactivity of Interstellar Relevance. *Nicholas B. Betts, Momir Stepanovic, Theodore P. Snow, and Veronica M. Bierbaum*. 651, L129 (2006)
- BEUTHER, H. Submillimeter Array 440 μm /690 GHz Line and Continuum Observations of Orion KL. *H. Beuther, Q. Zhang, M. J. Reid, T. R. Hunter, M. Gurwell, D. Wilner, J.-H. Zhao, H. Shinnaga, E. Keto, P. T. P. Ho, J. M. Moran, and S.-Y. Liu*. 636, 323 (2006)
- See HUNTER, T. R., et al. Millimeter Multiplicity in NGC 6334 I and I(N). 649, 888 (2006)
- See PALAU, A., et al. Submillimeter Emission from the Hot Molecular Jet HH 211. 636, L137 (2006)
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- BHAT, N. D. See LORIMER, D. R., et al. Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. 640, 428 (2006)
- BHAT, N. D. R. See CORDES, J. M., et al. Arecibo Pulsar Survey Using ALFA. I. Survey Strategy and First Discoveries. 637, 446 (2006)
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- BHATTACHARYYA, SUDIP. The Shapes of Atomic Lines from the Surfaces of Weakly Magnetic Rotating Neutron Stars and Their Implications. *Sudip Bhattacharyya, M. Coleman Miller, and Frederick K. Lamb*. 644, 1085 (2006)
- RXTE* Observations of 1A 1744–361: Correlated Spectral and Timing Behavior. *Sudip Bhattacharyya, Tod E. Strohmayer, Jean H. Swank, and Craig B. Markwardt*. 652, 603 (2006)
- A Non-PRE Double-peaked Burst from 4U 1636–536: Evidence of Burning Front Propagation. *Sudip Bhattacharyya and Tod E. Strohmayer*. 636, L121 (2006)
- The Discovery of a Neutron Star with a Spin Frequency of 530 Hz in A1744–361. *Sudip Bhattacharyya, Tod E. Strohmayer, Craig B. Markwardt, and Jean H. Swank*. 639, L31 (2006)
- Signature of Temporary Burning Front Stalling from a Non-Photospheric

- Radius Expansion Double-peaked Burst. *Sudip Bhattacharyya and Tod E. Strohmayer*. 641, L53 (2006)
- Spreading of Thermonuclear Flames on the Neutron Star in SAX J1808.4-3658: An Observational Tool. *Sudip Bhattacharyya and Tod E. Strohmayer*. 642, L161 (2006)
- BHATTARAI, D. See PINER, B. G., et al. The Fastest Relativistic Jets: VLBA Observations of Blazars with Apparent Speeds Exceeding 25c. 640, 196 (2006)
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- See DESAI, V., et al. IRS Spectra of Two Ultraluminous Infrared Galaxies at $z = 1.3$. 641, 133 (2006)
- See WEEDMAN, D. W., et al. *Spitzer* IRS Spectra of Optically Faint Infrared Sources with Weak Spectral Features. 651, 101 (2006)
- See BRODWIN, M., et al. Photometric Redshifts in the IRAC Shallow Survey. 651, 791 (2006)
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- See JOHNSON, B. D., et al. Dissecting Galaxy Colors with GALEX, SDSS, and *Spitzer*. 644, L109 (2006)
- See BARMBY, P., et al. Dusty Waves on a Starry Sea: The Mid-Infrared View of M31. 650, L45 (2006)
- BIANCHI, LUCIANA. See XU, C. KEVIN, et al. Ultraviolet and Far-Infrared-selected Star-forming Galaxies at $z = 0$: Differences and Overlaps. 646, 834 (2006)
- See PÉREZ-GONZÁLEZ, PABLO G., et al. Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031). 648, 987 (2006)
- See PÉREZ-GONZÁLEZ, PABLO G., et al. Erratum: "Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031)" (ApJ, 648, 987 [2006]). 653, 812 (2006)
- See SZKODY, PAULA, et al. GALEX and Optical Light Curves of EF Eridanus during a Low State: The Puzzling Source of Ultraviolet Light. 646, L147 (2006)
- BIANCO, CARLO LUCIANO. Exact versus Approximate Beaming Formulae in Gamma-Ray Burst Afterglows. *Carlo Luciano Bianco and Remo Ruffini*. 644, L105 (2006)
- See RUFFINI, REMO, et al. GRB 050315: A Step toward Understanding the Uniqueness of the Overall Gamma-Ray Burst Structure. 645, L109 (2006)
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- See SCHWARTZ, D. A., et al. *Chandra* Observations of Magnetic Fields and Relativistic Beaming in Four Quasar Jets. 640, 592 (2006)
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- See SHALCHI, A., et al. Parallel and Perpendicular Transport of Heliospheric Cosmic Rays in an Improved Dynamical Turbulence Model. 642, 230 (2006)
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- BIEGING, JOHN H. Optical Spectropolarimetry of Asymptotic Giant Branch and Post-Asymptotic Giant Branch Stars. *John H. Bieging, Gary D. Schmidt, Paul S. Smith, and Benjamin D. Oppenheimer*. 639, 1053 (2006)
- See BILLER, BETH A., et al. Resolving the Dusty Circumstellar Structure of the Enigmatic Symbiotic Star CH Cygni with the MMT Adaptive Optics System. 647, 464 (2006)
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- BIFERALE, L. See BIGAZZI, A., et al. Small-Scale Anisotropy and Intermittence in High- and Low-Latitude Solar Wind. 638, 499 (2006)
- BIGAZZI, A. Small-Scale Anisotropy and Intermittence in High- and Low-Latitude Solar Wind. *A. Bigazzi, L. Biferale, S. M. A. Gama, and M. Velli*. 638, 499 (2006)
- BIGGS, J. See SHANKLAND, P. D., et al. On the Search for Transits of the Planets Orbiting Gliese 876. 653, 700 (2006)
- BIGNALL, HAYLEY E. Rapid Interstellar Scintillation of PKS 1257-326: Two-Station Pattern Time Delays and Constraints on Scattering and Microarcsecond Source Structure. *Hayley E. Bignall, Jean-Pierre Macquart, David L. Jauncey, James E. J. Lovell, Anastasios K. Tzioumis, and Lucyna Kedziora-Chudczer*. 652, 1050 (2006)
- BIGONGIARI, C. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
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- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- BILAND, A. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- BILDSTEN, LARS. See PIRO, ANTHONY L., et al. The Energy Dependence of Neutron Star Surface Modes and X-Ray Burst Oscillations. 638, 968 (2006)
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- The Thermal State of the Accreting White Dwarf in AM Canum Venaticorum Binaries. *Lars Bildsten, Dean M. Townsley, Christopher J. Doye, and Gijs Nelemans*. 640, 466 (2006)
- See ARRAS, PHIL, et al. Thermal Structure and Radius Evolution of Irradiated Gas Giant Planets. 650, 394 (2006)
- See CHANG, PHILIP, et al. Rotational Broadening of Atomic Spectral Features from Neutron Stars. 636, L117 (2006)
- See ARRAS, PHIL, et al. Pulsational Instabilities in Accreting White Dwarfs. 643, L119 (2006)
- See WEINBERG, NEVIN N., et al. Hydrodynamic Thermonuclear Runaways in Superbursts. 650, L119 (2006)
- BILLER, B. A. Discovery of a Brown Dwarf Very Close to the Sun: A Methane-rich Brown Dwarf Companion to the Low-Mass Star SCR 1845-6357. *B. A. Biller, M. Kasper, L. M. Close, W. Brandner, and S. Kellner*. 641, L141 (2006)
- BILLER, BETH A. Resolving the Dusty Circumstellar Structure of the Enigmatic Symbiotic Star CH Cygni with the MMT Adaptive Optics System. *Beth A. Biller, Laird M. Close, Aigen Li, Massimo Marengo, John H. Bieging, Phil M. Hinz, William F. Hoffmann, Guido Brusa, and Doug Miller*. 647, 464 (2006)
- BILLER, S. D. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)

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- BIRD, A. J. The Second IBIS/ISGR1 Soft Gamma-Ray Survey Catalog. *A. J. Bird, E. J. Barlow, L. Bassani, A. Bazzano, G. Bélanger, A. Bodaghe, F. Capitanio, A. J. Dean, M. Focchi, A. B. Hill, F. Lebrun, A. Malizia, J. M. Mas-Hesse, M. Molina, L. Moran, M. Renaud, V. Sguera, S. E. Shaw, J. B. Stephen, R. Terrier, P. Ubertini, R. Walter, D. R. Willis, and C. Winkler.* 636, 765 (2006)
- See CAPITANO, F., et al. Spectral States of the X-Ray Binary IGR J17091–3624 Observed by *INTEGRAL* and *RXTE*. 643, 376 (2006)
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- See LANDI, R., et al. *Swift* XRT Follow-up Observations of TeV Sources of the HESS Inner Galaxy Survey. 651, 190 (2006)
- See BASSANI, L., et al. *INTEGRAL* IBIS Extragalactic Survey: Active Galactic Nuclei Selected at 20–100 keV. 636, L65 (2006)
- See BAZZANO, A., et al. *INTEGRAL* IBIS Census of the Sky Beyond 100 keV. 649, L9 (2006)
- BIRETTA, J. A. See HARRIS, D. E., et al. The Outburst of HST-1 in the M87 Jet. 640, 211 (2006)
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- BIRKINSHAW, M. See SCHWARTZ, D. A., et al. *Chandra* Observations of Magnetic Fields and Relativistic Beaming in Four Quasar Jets. 640, 592 (2006)
- See EVANS, D. A., et al. *Chandra* and *XMM-Newton* Observations of a Sample of Low-Redshift FR I and FR II Radio Galaxy Nuclei. 642, 96 (2006)
- See SCHWARTZ, D. A., et al. Discovery of an X-Ray Jet and Extended Jet Structure in the Quasar PKS 1055+201. 647, L107 (2006)
- BIRKINSHAW, MARK. See PERLMAN, ERIC S., et al. Optical Polarimetry of the Jets of Nearby Radio Galaxies. I. The Data. 651, 735 (2006)
- See MOLNAR, SANDOR M., et al. Determining Distances to Clusters of Galaxies Using Resonant X-Ray Emission Lines. 643, L73 (2006)
- BIRKMANN, S. M. Very Cold and Massive Cores near ISOSS J18364–0221: Implications for the Initial Conditions of High-Mass Star Formation. *S. M. Birkmann, O. Krause, and D. Lemke.* 637, 380 (2006)
- BIRN, JOACHIM. Stability and Dynamic Evolution of Three-dimensional Flux Ropes. *Joachim Birn, Terry G. Forbes, and Michael Hesse.* 645, 732 (2006)
- BIRYUKOV, VADIM V. See HILL, JOANNE E., et al. GRB 050117: Simultaneous Gamma-Ray and X-Ray Observations with the *Swift* Satellite. 639, 303 (2006)
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- See AOKI, WAKO, et al. Carbon-enhanced Metal-poor Stars: Osmium and Iridium Abundances in the Neutron-Capture-enhanced Subgiants CS 31062-050 and LP 625-44. 650, L127 (2006)
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- BJORKMAN, K. S. See WISNIEWSKI, J. P., et al. The Role of Evolutionary Age and Metallicity in the Formation of Classical Be Circumstellar Disks. I. New Candidate Be Stars in the LMC, SMC, and Milky Way. 652, 458 (2006)
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- BJÖRNSSON, C.-I. See BORGONOVO, L., et al. Statistical Analysis of BATSE Gamma-Ray Bursts: Self-Similarity and the Amati Relation. 652, 1423 (2006)
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- BLACKBURN, J. A. X-Ray and Optical Flux Anomalies in the Quadruply Lensed QSO 1RXS J1131–1231. *J. A. Blackburn, D. Pooley, and S. Rappaport.* 640, 569 (2006)
- BLACKBURN, JEFFREY A. See POOLEY, DAVID, et al. A Strong X-Ray Flux Ratio Anomaly in the Quadruply Lensed Quasar PG 1115+080. 648, 67 (2006)
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- See CUNNINGHAM, ANDREW J., et al. Protostellar Jet Collisions Reduce the Efficiency of Outflow-Driven Turbulence in Molecular Clouds. 646, 1059 (2006)
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- See MATT, SEAN, et al. Astrophysical Explosions Driven by a Rotating, Magnetized, Gravitating Sphere. 647, L45 (2006)
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- BLAIN, A. See TACCONI, L. J., et al. High-Resolution Millimeter Imaging of Submillimeter Galaxies. 640, 228 (2006)
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- BLAIR, WILLIAM P. *Far Ultraviolet Spectroscopic Explorer* Survey of Magellanic Cloud Supernova Remnants. *William P. Blair, Parviz Ghavamian, Ravi Sankrit, and Charles W. Danforth*. 165, 480 (2006)
- See SASAKI, MANAMI, et al. Far-Ultraviolet and X-Ray Observations of the Reverse Shock in the Small Magellanic Cloud Supernova Remnant IE 0102.2-7219. 642, 260 (2006)
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- BLAKE, GEOFF. See PADGETT, DEBORAH L., et al. The *Spitzer* c2d Survey of Weak-Line T Tauri Stars. I. Initial Results. 645, 1283 (2006)
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- in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. 167, 1 (2006)
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- BLECHA, L. Close Binary Interactions of Intermediate-Mass Black Holes: Possible Ultraluminous X-Ray Sources? *L. Blecha, N. Ivanova, V. Kalogera, K. Belczynski, J. Fregeau, and F. Rasio*. 642, 427 (2006)
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- Closing in on a Short-Hard Burst Progenitor: Constraints from Early-Time Optical Imaging and Spectroscopy of a Possible Host Galaxy of GRB 050509b. *J. S. Bloom, J. X. Prochaska, D. Pooley, C. H. Blake, R. J. Foley, S. Jha, E. Ramirez-Ruiz, J. Granot, A. V. Filippenko, S. Sigurdsson, A. J. Barth, H.-W. Chen, M. C. Cooper, E. E. Falco, R. R. Gal, B. F. Gerke, M. D. Gladders, J. E. Greene, J. Hennanwi, L. C. Ho, K. Hurley, B. P. Koester, W. Li, L. Lubin, J. Newman, D. A. Perley, G. K. Squires, and W. M. Wood-Vasey*. 638, 354 (2006)
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- BLUSTIN, A. J. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. *A. J. Blustin, D. Band, S. Barthelmy, P. Boyd, M. Capalbi, S. T. Holland, F. E. Marshall, K. O. Mason, M. Perri, T. Poole, P. Roming, S. Rosen, P. Schady, M. Still, B. Zhang, L. Angelini, L. Barbier, A. Beardmore, A. Breeveld, D. N. Burrows, J. R. Cummings, J. Canizzo, S. Campana, M. M. Chester, G. Chincarini, L. R. Cominsky, A. Cucchiara, M. de Pasquale, E. E. Fenimore, N. Gehrels, P. Giommi, M. Goad, C. Gronwall, D. Grupe, J. E. Hill, D. Hinshaw, S. Hunsberger, K. C. Hurley, M. Ivanushkina, J. A. Kennea, H. A. Krimm, P. Kumar, V. Landsman, V. La Parola, C. B. Markwardt, K. McGowan, P. Mészáros, T. Mineo, A. Moretti, A. Morgan, J. Nousek, P. T. O'Brien, J. P. Osborne, K. Page, M. J. Page, D. M. Palmer, A. M. Parsons, J. Rhoads, P. Romano, T. Sakamoto, G. Sato, G. Tagliaferri, J. Tueller, A. A. Wells, and N. E. White*. 637, 901 (2006)
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- BOËR, M. Detection of a Very Bright Optical Flare from the Gamma-Ray Burst GRB 050904 at Redshift 6.29. M. Boër, J. L. Atteia, Y. Damerdjii, B. Gendre, A. Klotz, and G. Stratta. 638, L71 (2006)
- BOESGAARD, ANN MERCHANT. Beryllium in Disk and Halo Stars: Evidence for a Beryllium Dispersion in Old Stars. Ann Merchant Boesgaard and Megan C. Novicki. 641, 1122 (2006)
- BOETTCHER, M. See YOST, S. A., et al. Optical Light Curve and Cooling Break of GRB 050502A. 636, 959 (2006)
- BOETTIGER, CARL. See WRAY, JAMES J., et al. The Shape, Multiplicity, and Evolution of Superclusters in Λ CDM Cosmology. 652, 907 (2006)
- BOGDAN, T. See PIETARILA, A., et al. Simulation of Quiet-Sun Waves in the Ca II Infrared Triplet. 640, 1142 (2006)
- BOGDAN, T. J. Effect of Thermal Conduction on Acoustic Waves in Coronal Loops. T. J. Bogdan. 643, 532 (2006)
- BOGDAN, THOMAS J. See JEFFERIES, STUART M., et al. Magnetoacoustic Portals and the Basal Heating of the Solar Chromosphere. 648, L151 (2006)
- BOGDANOV, SLAVKO. *Chandra* X-Ray Observations of 19 Millisecond Pulsars in the Globular Cluster 47 Tucanae. Slavko Bogdanov, Jonathan E. Grindlay, Craig O. Heinke, Fernando Camilo, Paulo C. C. Freire, and Werner Becker. 646, 1104 (2006)
- See FUENTES, CESAR I., et al. The Hypervelocity Star SDSS J090745.0+024507 Is Variable. 636, L37 (2006)
- X-Rays from Radio Millisecond Pulsars: Comptonized Thermal Radiation. Slavko Bogdanov, Jonathan E. Grindlay, and George B. Rybicki. 648, L55 (2006)
- BOGER, GAI I. Bistability in Interstellar Gas-Phase Chemistry. Gai I. Boger and Amiel Sternberg. 645, 314 (2006)
- BOGGS, S. E. See KALEMCI, E., et al. X-Ray Observations of SN 1006 with INTEGRAL. 644, 274 (2006)
- See KALEMCI, E., et al. Searching for Annihilation Radiation from SN 1006 with SPI on INTEGRAL. 640, L55 (2006)
- BOGGS, STEVEN E. Gamma-Ray Polarimetry of Two X-Class Solar Flares. Steven E. Boggs, W. Coburn, and E. Kalemci. 638, 1129 (2006)
- Search for Neutron-Capture Gamma-Ray Lines from A0535+26 in Outburst. Steven E. Boggs and David M. Smith. 637, L121 (2006)
- BOGNÁR, ZS. See VUČKOVIĆ, M., et al. Whole Earth Telescope Observations of the Pulsating Subdwarf B Star PG 0014+067. 646, 1230 (2006)
- BOGUSLAVSKIY, ANDREY E. See MAIER, JOHN P., et al. The Gas Phase Spectrum of Cyclic C_{18} and the Diffuse Interstellar Bands. 640, 369 (2006)
- BOHAC, C. See CHEN, C. H., et al. *Spitzer* IRS Spectroscopy of IRAS-discovered Debris Disks. 166, 351 (2006)
- BOHAC, C. J. See JURA, M., et al. Polycyclic Aromatic Hydrocarbons Orbiting HD 233517, an Evolved Oxygen-rich Red Giant. 637, L45 (2006)
- BOHLENDER, DAVID A. See MAIER, JOHN P., et al. The Gas Phase Spectrum of Cyclic C_{18} and the Diffuse Interstellar Bands. 640, 369 (2006)
- BOHN, ROBERT K. See MAEDA, ATSUKO, et al. The Millimeter- and Submillimeter-Wave Spectrum of the *Gt* Conformer of *n*-Propanol (*n*-CH₃CH₂CH₂OH). 162, 428 (2006)
- BÖHRINGER, H. See STANEK, R., et al. The X-Ray Luminosity–Mass Relation for Local Clusters of Galaxies. 648, 956 (2006)
- BÖHRINGER, HANS. See HENRY, J. PATRICK, et al. The ROSAT North Ecliptic Pole Survey: The X-Ray Catalog. 162, 304 (2006)
- See JELTEMA, TESLA E., et al. X-Ray Properties of Intermediate-Redshift Groups of Galaxies. 649, 649 (2006)
- BOICE, D. C. See KAWAKITA, HIDEYO, et al. Ortho-to-Para Ratios of Water and Ammonia in Comet C/2001 Q4 (NEAT): Comparison of Nuclear Spin Temperatures of Water, Ammonia, and Methane. 643, 1337 (2006)
- BOISSIER, S. See IGLESÍAS-PÁRAMO, J., et al. Star Formation in the Nearby Universe: The Ultraviolet and Infrared Points of View. 164, 38 (2006)
- See CORTESE, L., et al. UV Dust Attenuation in Normal Star-Forming Galaxies. I. Estimating the $L_{\text{UV}}/L_{\text{FIR}}$ Ratio. 637, 242 (2006)
- See BOSELLI, A., et al. The Fate of Spiral Galaxies in Clusters: The Star Formation History of the Anemic Virgo Cluster Galaxy NGC 4569. 651, 811 (2006)
- BOISSIER, SAMUEL. See FOLATELLI, GASTÓN, et al. SN 2005bf: A Possible Transition Event between Type Ib/c Supernovae and Gamma-Ray Bursts. 641, 1039 (2006)
- See PÉREZ-GONZÁLEZ, PABLO G., et al. Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031). 648, 987 (2006)
- See PÉREZ-GONZÁLEZ, PABLO G., et al. Erratum: "Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031)" (ApJ. 648, 987 [2006]). 653, 812 (2006)
- BOISSON, C. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- BÖKER, T. See WALCHER, C. J., et al. Stellar Populations in the Nuclei of Late-Type Spiral Galaxies. 649, 692 (2006)

- BÖKER, TORSTEN. See SCHINNERER, EVA, et al. Molecular Gas Dynamics in NGC 6946: A Bar-driven Nuclear Starburst "Caught in the Act". 649, 181 (2006)
- BOLATTO, A. See LEROY, A., et al. Molecular Gas in the Low-Metallicity, Star-forming Dwarf IC 10. 643, 825 (2006)
- BOLDYREV, STANISLAV. Non-Gaussian Radio-Wave Scattering in the Interstellar Medium. *Stanislav Boldyrev and Arieh Königl*. 640, 344 (2006)
- Turbulent Origin of the Galactic Center Magnetic Field: Nonthermal Radio Filaments. *Stanislav Boldyrev and Farhad Yusef-Zadeh*. 637, L101 (2006)
- BOLEY, A. C. Hydraulic/Shock Jumps in Protoplanetary Disks. *A. C. Boley and R. H. Durisen*. 641, 534 (2006)
- BOLEY, AARON C. The Thermal Regulation of Gravitational Instabilities in Protoplanetary Disks. III. Simulations with Radiative Cooling and Realistic Opacities. *Aaron C. Boley, Annie C. Mejía, Richard H. Durisen, Kai Cai, Megan K. Pickett, and Paola D'Alessio*. 651, 517 (2006)
- See CAI, KAI, et al. The Effects of Metallicity and Grain Size on Gravitational Instabilities in Protoplanetary Disks. 636, L149 (2006)
- See CAI, KAI, et al. Erratum: "The Effects of Metallicity and Grain Size on Gravitational Instabilities in Protoplanetary Disks" (*ApJ* 636, L149 [2006]). 642, L173 (2006)
- BOLTE, MICHAEL. See WARREN, STEVEN R., et al. The Blue Straggler Population of the Globular Cluster M5: Comparison with M3. 648, 1026 (2006)
- See WILLIAMS, KURTIS A., et al. A Hot DQ White Dwarf in the Open Star Cluster M35. 643, L127 (2006)
- BOLTON, ADAM S. The Sloan Lens ACS Survey. I. A Large Spectroscopically Selected Sample of Massive Early-Type Lens Galaxies. *Adam S. Bolton, Scott Burles, Léon V. E. Koopmans, Tommaso Treu, and Leonidas A. Moustakas*. 638, 703 (2006)
- See BOYCE, EDWARD R., et al. A Search for Radio Gravitational Lenses, Using the Sloan Digital Sky Survey and the Very Large Array. 640, 62 (2006)
- See TREU, TOMMASO, et al. The Sloan Lens ACS Survey. II. Stellar Populations and Internal Structure of Early-Type Lens Galaxies. 640, 662 (2006)
- See KOOPMANS, LÉON V. E., et al. The Sloan Lens ACS Survey. III. The Structure and Formation of Early-Type Galaxies and Their Evolution since $z \approx 1$. 649, 599 (2006)
- See TREU, TOMMASO, et al. Erratum: "The Sloan Lens ACS Survey. II. Stellar Populations and Internal Structure of Early-Type Lens Galaxies" (*ApJ*, 640, 662 [2006]). 650, 1219 (2006)
- A New Einstein Cross: A Highly Magnified, Intrinsically Faint Ly α Emitter at $z = 2.7$. *Adam S. Bolton, Leonidas A. Moustakas, Daniel Stern, Scott Burles, Arjun Dey, and Hyron Spinrad*. 646, L45 (2006)
- BOLTWOOD, P. See REBILOTT, P. F., et al. Multiwavelength Observations of the Blazar Markarian 421 in 2002 December and 2003 January. 641, 740 (2006)
- BOLZ, O. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- BOMBARDIERI, D. J. Relativistic Proton Production during the 2000 July 14 Solar Event: The Case for Multiple Source Mechanisms. *D. J. Bombardieri, M. L. Duldig, K. J. Michael, and J. E. Humble*. 644, 565 (2006)
- BONAMENTE, MASSIMILIANO. Determination of the Cosmic Distance Scale from Sunyaev-Zel'dovich Effect and Chandra X-Ray Measurements of High-Redshift Galaxy Clusters. *Massimiliano Bonamente, Marshall K. Joy, Samuel J. LaRoque, John E. Carlstrom, Erik D. Reese, and Kyle S. Dawson*. 647, 25 (2006)
- See LAROCHE, SAMUEL J., et al. X-Ray and Sunyaev-Zel'dovich Effect Measurements of the Gas Mass Fraction in Galaxy Clusters. 652, 917 (2006)
- BONANOS, A. Z. The First DIRECT Distance Determination to a Detached Eclipsing Binary in M33. *A. Z. Bonanos, K. Z. Stanek, R. P. Kudritzki, L. M. Macri, D. D. Sasselov, J. Kaluzny, P. B. Stetson, D. Bersier, F. Bresolin, T. Matheson, B. J. Mochejska, N. Przybilla, A. H. Szentgyorgyi, J. Tonry, and G. Torres*. 652, 313 (2006)
- See DEBES, J. H., et al. Detection of a Variable Infrared Excess around SDSS J121209.31+013627.7. 647, L147 (2006)
- BOND, I. A. See GOULD, A., et al. Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. 644, L37 (2006)
- BOND, IAN A. See BENNETT, DAVID P., et al. Identification of the OGLE-2003-BLG-235/MOA-2003-BLG-53 Planetary Host Star. 647, L171 (2006)
- BOND, J. R. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- BONET, J. A. See MÁRQUEZ, I., et al. High-Resolution Proper Motions in a Sunspot Penumbra. 638, 553 (2006)
- BONEV, B. P. See DI SANTI, M. A., et al. Detection of Formaldehyde Emission in Comet C/2002 T7 (LINEAR) at Infrared Wavelengths: Line-by-Line Validation of Modeled Fluorescent Intensities. 650, 470 (2006)
- BONEV, BONCHO P. A Comprehensive Study of Infrared OH Prompt Emission in Two Comets. I. Observations and Effective g -Factors. *Boncho P. Bonev, Michael J. Mumma, Michael A. DiSanti, Neil Dello Russo, Karen Magee-Sauer, Richard S. Ellis, and Daniel P. Stark*. 653, 774 (2006)
- A Comprehensive Study of Infrared OH Prompt Emission in Two Comets. II. Implications for Unimolecular Dissociation of H₂O. *Boncho P. Bonev and Michael J. Mumma*. 653, 788 (2006)
- See VILLANUEVA, GERONIMO L., et al. The Volatile Composition of the Split Ecliptic comet 73P/Schwassmann-Wachmann 3: A Comparison of Fragments C and B. 650, L87 (2006)
- BONG, SU-CHAN. Spatio-spectral Maximum Entropy Method. I. Formulation and Test. *Su-Chan Bong, Jeongwoo Lee, Dale E. Gary, and Hong Sik Yun*. 636, 1159 (2006)
- Direct Observation of Low Coronal Breakout: Does Breakout Precede or Follow Solar Eruption? *Su-Chan Bong, Y.-J. Moon, K.-S. Cho, Yeon-Han Kim, Y. D. Park, and G. S. Choe*. 636, L169 (2006)
- BONGARD, S. See ALDERING, G., et al. Nearby Supernova Factory Observations of SN 2005gj: Another Type Ia Supernova in a Massive Circumstellar Envelope. 650, 510 (2006)
- BONGARD, SEBASTIEN. See BARON, E., et al. Spectral Modeling of SNe Ia Near Maximum Light: Probing the Characteristics of Hydrodynamical Models. 645, 480 (2006)
- Type Ia Supernova Spectral Line Ratios as Luminosity Indicators. *Sebastien Bongard, E. Baron, G. Smadja, David Branch, and Peter H. Hauschildt*. 647, 513 (2006)
- BONNELL, J. T. See NORRIS, J. P., et al. Short Gamma-Ray Bursts with Extended Emission. 643, 266 (2006)
- BONO, G. See DEL PRINCIPLE, M., et al. A Pulsational Distance to ω Centauri Based on Near-Infrared Period-Luminosity Relations of RR Lyrae Stars. 652, 362 (2006)
- BONO, GIUSEPPE. See PIETRZYŃSKI, GRZEGORZ, et al. The Araucaria Project: The Distance to the Local Group Galaxy IC 1613 from Near-Infrared Photometry of Cepheid Variables. 642, 216 (2006)
- BOOGERT, A. C. A. See LAHUIS, F., et al. Hot Organic Molecules toward a Young Low-Mass Star: A Look at Inner Disk Chemistry. 636, L145 (2006)
- BOOGERT, A. C. ADWIN. See KESSLER-SILACCI, JACQUELINE, et al. c2d *Spitzer* IRS Spectra of Disks around T Tauri Stars. I. Silicate Emission and Grain Growth. 639, 275 (2006)
- BOOTH, A. See MILLAN-GABET, R., et al. Keck Interferometer Observations of FU Orionis Objects. 641, 547 (2006)
- BOOTHROYD, A. I. See STIL, J. M., et al. Compact H I Clouds at High Forbidden Velocities in the Inner Galaxy. 637, 366 (2006)
- BORCH, ANDREA. See BELL, ERIC F., et al. Dry Mergers in GEMS: The Dynamical Evolution of Massive Early-Type Galaxies. 640, 241 (2006)
- See BELL, ERIC F., et al. The Merger Rate of Massive Galaxies. 652, 270 (2006)
- BORDAS, P. See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- BORDÉ, PASCAL J. High-Contrast Imaging from Space: Speckle Nulling in a Low-Aberration Regime. *Pascal J. Bordé and Wesley A. Traub*. 638, 488 (2006)
- BORDNER, JAMES O. See HAYES, JOHN C., et al. Simulating Radiating and Magnetized Flows in Multiple Dimensions with ZEUS-MP. 165, 188 (2006)
- BORGANI, STEFANO. See MONACO, PIERLUIGI, et al. Diffuse Stellar

- Component in Galaxy Clusters and the Evolution of the Most Massive Galaxies at $z \leq 1$. 652, L89 (2006)
- BORGONOVO, L. Statistical Analysis of BATSE Gamma-Ray Bursts: Self-Similarity and the Amati Relation. *L. Borgonovo and C.-I. Björnsson*. 652, 1423 (2006)
- BORISOVA, J. See SOLLIMA, A., et al. New Metallicities of RR Lyrae Stars in ω Centauri: Evidence for a Non-He-enhanced Metal-intermediate Population. 640, L43 (2006)
- BORKOWSKI, KAZIMIERZ J. See FESEN, ROBERT A., et al. Discovery of Outlying High-Velocity Oxygen-Rich Ejecta in Cassiopeia A. 636, 859 (2006)
- See FESEN, ROBERT A., et al. The Expansion Asymmetry and Age of the Cassiopeia A Supernova Remnant. 645, 283 (2006)
- See ZHEKOV, SVETOZAR A., et al. *Chandra* LETG Observations of Supernova Remnant 1987A. 645, 293 (2006)
- See BADENES, CARLES, et al. Constraints on the Physics of Type Ia Supernovae from the X-Ray Spectrum of the Tycho Supernova Remnant. 645, 1373 (2006)
- Dense, Fe-rich Ejecta in Supernova Remnants DEM L238 and DEM L249: A New Class of Type Ia Supernova? *Kazimierz J. Borkowski, Sean P. Hendrick, and Stephen P. Reynolds*. 652, 1259 (2006)
- See REYNOLDS, STEPHEN P., et al. Discovery of the X-Ray Counterpart to the Rotating Radio Transient J1819-1458. 639, L71 (2006)
- Dust Destruction in Type Ia Supernova Remnants in the Large Magellanic Cloud. *Kazimierz J. Borkowski, Brian J. Williams, Stephen P. Reynolds, William P. Blair, Parviz Ghavamian, Ravi Sankrit, Sean P. Hendrick, Knox S. Long, John C. Raymond, R. Chris Smith, Sean Points, and P. Frank Winkler*. 642, L141 (2006)
- See WILLIAMS, BRIAN J., et al. Dust Destruction in Fast Shocks of Core-Collapse Supernova Remnants in the Large Magellanic Cloud. 652, L33 (2006)
- See REYNOLDS, STEPHEN P., et al. A New Young Galactic Supernova Remnant Containing a Compact Object: G15.9+0.2. 652, L45 (2006)
- BOROSKI, WILLIAM N. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- BORREL, V. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- BORRILL, J. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- BORKMANN, T. See LANGNER, U. W., et al. Effects of Different Solar Wind Speed Profiles in the Heliosheath on the Modulation of Cosmic-Ray Protons. 640, 1119 (2006)
- BØRVE, S. Multidimensional MHD Shock Tests of Regularized Smoothed Particle Hydrodynamics. *S. Børve, M. Omang, and J. Trulsen*. 652, 1306 (2006)
- BORYS, C. MIPS J142824.0+352619: A Hyperluminous Starburst Galaxy at $z = 1.325$. *C. Borys, A. W. Blain, A. Dey, E. Le Floc'h, B. T. Jannuzi, V. Barnard, C. Bian, M. Brodwin, K. Menéndez-Delmestre, D. Thompson, K. Brand, M. J. I. Brown, C. D. Dowell, P. Eisenhardt, D. Farrah, D. T. Frayer, J. Higdon, S. Higdon, T. Phillips, B. T. Soifer, D. Stern, and D. Weedman*. 636, 134 (2006)
- See DESAI, V., et al. IRS Spectra of Two Ultraluminous Infrared Galaxies at $z = 1.3$. 641, 133 (2006)
- See IONO, D., et al. Interferometric 890 μm Images of High-Redshift Submillimeter Galaxies. 640, L1 (2006)
- See FARRAH, D., et al. The Spatial Clustering of Ultraluminous Infrared Galaxies over $1.5 < z < 3$. 641, L17 (2006)
- See FARRAH, D., et al. Erratum: "The Spatial Clustering of Ultraluminous Infrared Galaxies over $1.5 < z < 3$ " (*ApJ* 641, L17 [2006]). 643, L139 (2006)
- BOSCALERI, A. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- BOSCH-RAMON, V. See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- BOSELLI, A. See IGLESIAS-PÁRAMO, J., et al. Star Formation in the Nearby Universe: The Ultraviolet and Infrared Points of View. 164, 38 (2006)
- See CORTESE, L., et al. UV Dust Attenuation in Normal Star-Forming Galaxies. I. Estimating the $L_{\text{FIR}}/L_{\text{UV}}$ Ratio. 637, 242 (2006)
- The Fate of Spiral Galaxies in Clusters: The Star Formation History of the Anemic Virgo Cluster Galaxy NGC 4569. *A. Boselli, S. Boissier, L. Cortese, A. Gil de Paz, M. Seibert, B. F. Madore, V. Buat, and D. C. Martin*. 651, 811 (2006)
- BOSMA, A. See KUZIO DE NARAY, RACHEL, et al. High-Resolution Optical Velocity Fields of 11 Low Surface Brightness Galaxies. 165, 461 (2006)
- BOSS, A. P. Gas Giant Protoplanets Formed by Disk Instability in Binary Star Systems. *A. P. Boss*. 641, 1148 (2006)
- BOSS, ALAN. See NARAYANAN, DESIKA, et al. Molecular Line Emission from Gravitationally Unstable Protoplanetary Disks. 647, 1426 (2006)
- BOSS, ALAN P. Rapid Formation of Gas Giant Planets around M Dwarf Stars. *Alan P. Boss*. 643, 501 (2006)
- See SOZZETTI, ALESSANDRO, et al. A Keck HIRES Doppler Search for Planets Orbiting Metal-Poor Dwarfs. I. Testing Giant Planet Formation and Migration Scenarios. 649, 428 (2006)
- On the Formation of Gas Giant Planets on Wide Orbits. *Alan P. Boss*. 637, L137 (2006)
- Rapid Formation of Super-Earths around M Dwarf Stars. *Alan P. Boss*. 644, L79 (2006)
- BOSWELL, RODERICK W. The Current-Free Electric Double Layer in a Coronal Magnetic Funnel. *Roderick W. Boswell, Eckart Marsch, and Christine Charles*. 640, L199 (2006)
- BOT, CAROLINE. See CANNON, JOHN M., et al. The Nature of Infrared Emission in the Local Group Dwarf Galaxy NGC 6822 as Revealed by *Spitzer*. 652, 1170 (2006)
- BOTOYA-NONESA, J. G. See FUKAZAWA, Y., et al. Scaling Mass Profiles around Elliptical Galaxies Observed with *Chandra* and *XMM-Newton*. 636, 698 (2006)
- BÖTTCHER, M. See GUPTA, S., et al. Time-dependent Synchrotron and Compton Spectra from Jets of Microquasars. 644, 409 (2006)
- See GUPTA, S., et al. A Time-dependent Leptonic Model for Microquasar Jets: Application to LS I +61 303. 650, L123 (2006)
- BÖTTCHER, MARKUS. Erratum: "A Hadronic Synchrotron Mirror Model for the 'Orphan' TeV Flare in 1ES 1959+650" (*ApJ*, 621, 176 [2005]). *Markus Böttcher*. 641, 1233 (2006)
- See DERMER, CHARLES D., et al. Gamma Rays from Compton Scattering in the Jets of Microquasars: Application to LS 5039. 643, 1081 (2006)
- BOTZLER, C. S. See GOULD, A., et al. Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. 644, L37 (2006)
- BOUCHÉ, N. See FÖRSTER SCHREIBER, N. M., et al. SINFONI Integral Field Spectroscopy of $z \sim 2$ UV-selected Galaxies: Rotation Curves and Dynamical Evolution. 645, 1062 (2006)
- BOUCHET, PATRICE. SN 1987A after 18 Years: Mid-Infrared Gemini and *Spitzer* Observations of the Remnant. *Patrice Bouchet, Eli Dwek, John Danziger, Richard G. Arendt, I. James M. De Buizer, Sangwook Park, Nicholas B. Suntzeff, Robert P. Kirshner, and Peter Challis*. 650, 212 (2006)
- BOUCHEZ, A. H. See BROWN, M. E., et al. Satellites of the Largest Kuiper Belt Objects. 639, L43 (2006)
- BOUCHY, F. See BAKOS, G. Á., et al. Refined Parameters of the Planet Orbiting HD 189733. 650, 1160 (2006)
- BOUCHY, FRANÇOIS. See BEDDING, TIMOTHY R., et al. Solar-like Oscillations in the Metal-poor Subgiant ν Indi: Constraining the Mass and Age Using Asteroseismology. 647, 558 (2006)
- BOULANGER, F. See INGALLS, JAMES G., et al. Erratum: "Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey" (*ApJS*, 154, 281 [2004]). 164, 306 (2006)
- BOULAY, M. G. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)

- BOUMIS, P. See XILOURIS, E., et al. Abundant Dust Found in Intergalactic Space. 651, L107 (2006)
- BOURKE, S. See HALLINAN, G., et al. Rotational Modulation of the Radio Emission from the M9 Dwarf TVLM 513–46546: Broadband Coherent Emission at the Substellar Boundary? 653, 690 (2006)
- BOURKE, T. L. See PALAU, A., et al. Submillimeter Emission from the Hot Molecular Jet HH 211. 636, L137 (2006)
- BOURKE, TYLER L. See WALSH, ANDREW J., et al. Observations of Global and Local Infall in NGC 1333. 637, 860 (2006)
- See LEE, CHIN-FEI, et al. Infall and Outflow around the HH 212 Protostellar System. 639, 292 (2006)
- See HUARD, TRACY L., et al. Deep Near-Infrared Observations of L1014: Revealing the Nature of the Core and Its Embedded Source. 640, 391 (2006)
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- See ZHENG, W., et al. An Overdensity of Galaxies near the Most Distant Radio-loud Quasar. 640, 574 (2006)
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- BOYCE, EDWARD R. A Search for Radio Gravitational Lenses, Using the Sloan Digital Sky Survey and the Very Large Array. Edward R. Boyce, Judd D. Bowman, Adam S. Bolton, Jacqueline N. Hewitt, and Scott Burles. 640, 62 (2006)
- The Extragalactic Lens VLBI Imaging Survey (ELVIS). I. A Search for the Central Image in the Gravitational Lens PMN J1838–3427. Edward R. Boyce, Joshua N. Winn, Jacqueline N. Hewitt, and Steven T. Myers. 648, 73 (2006)
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- See ZUCKER, D. B., et al. A New Milky Way Dwarf Satellite in Canes Venatici. 643, L103 (2006)
- See GOULD, A., et al. Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. 644, L37 (2006)
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- See ZUCKER, D. B., et al. A Curious Milky Way Satellite in Ursa Major. 650, L41 (2006)
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- BRIGGS, F. H. H \pm 21 cm Observations of the PG 1216+069 Sub-damped Ly α Absorber Field at $z = 0.00632$. *F. H. Briggs and D. G. Barnes*. 640, L127 (2006)
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- See EISENSTEIN, DANIEL J., et al. A Catalog of Spectroscopically Confirmed White Dwarfs from the Sloan Digital Sky Survey Data Release 4. 167, 40 (2006)
- See LIU, MICHAEL C., et al. SDSS J1534+1615AB: A Novel T Dwarf Binary Found with Keck Laser Guide Star Adaptive Optics and the Potential Role of Binarity in the L/T Transition. 647, 1393 (2006)
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- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
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- for Surveys Observations with a Perturbed Navarro-Frenk-White Model. 640, 639 (2006)
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- On the Nature of the Compact Dark Mass at the Galactic Center. *Avery E. Broderick and Ramesh Narayan*. 638, L21 (2006)
- BRODWIN, M. The Canada-France Deep Fields Survey. III. Photometric Redshift Distribution to $z_{AB} = 24$. *M. Brodwin, S. J. Lilly, C. Porciani, H. J. McCracken, O. Le Fèvre, S. Foucaud, D. Crampton, and Y. Mellier*. 162, 20 (2006)
- See BORYS, C., et al. MIPs J142824.0+352619: A Hyperluminous Starburst Galaxy at $z = 1.325$. 636, 134 (2006)
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- BROWN, M. J. I. See BORYS, C., et al. MIPS J142824.0+352619: A Hyperluminous Starburst Galaxy at $z = 1.325$. 636, 134 (2006)
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- BROWN, THOMAS M. The Detailed Star Formation History in the Spheroid, Outer Disk, and Tidal Stream of the Andromeda Galaxy. *Thomas M. Brown, Ed Smith, Henry C. Ferguson, R. Michael Rich, Puragra Guhathakurta, Alvio Renzini, Allen V. Sweigart, and Randy A. Kimble*. 652, 323 (2006)
- Deep Photometry of Andromeda Reveals Striking Similarities in the Tidal Stream and Spheroid Populations. *Thomas M. Brown, Ed Smith, Puragra Guhathakurta, R. Michael Rich, Henry C. Ferguson, Alvio Renzini, Allen V. Sweigart, and Randy A. Kimble*. 636, L89 (2006)
- BROWN, TIMOTHY M. See O'DONOVAN, FRANCIS T., et al. Rejecting Astrophysical False Positives from the TrES Transiting Planet Survey: The Example of GSC 03885-00829. 644, 1237 (2006)
- See O'DONOVAN, FRANCIS T., et al. TrES-2: The First Transiting Planet in the *Kepler* Field. 651, L61 (2006)
- BROWN, W. See MODIAZ, M., et al. Early-Time Photometry and Spectroscopy of the Fast Evolving SN 2006aj Associated with GRB 060218. 645, L21 (2006)
- BROWN, WARREN R. Hypervelocity Stars. I. The Spectroscopic Survey. *Warren R. Brown, Margaret J. Geller, Scott J. Kenyon, and Michael J. Kurtz*. 647, 303 (2006)
- See BROMLEY, BENJAMIN C., et al. Hypervelocity Stars: Predicting the Spectrum of Ejection Velocities. 653, 1194 (2006)
- A Successful Targeted Search for Hypervelocity Stars. *Warren R. Brown, Margaret J. Geller, Scott J. Kenyon, and Michael J. Kurtz*. 640, L35 (2006)
- BROWNING, MATTHEW K. Dynamo Action in the Solar Convection Zone and Tachocline: Pumping and Organization of Toroidal Fields. 648, L157 (2006)
- BROWNING, MATTHEW K., et al. Dynamo Action in the Solar Convection Zone and Tachocline: Pumping and Organization of Toroidal Fields. 648, L157 (2006)
- BRUNDAGE, MICHAEL. See TEREBEY, SUSAN, et al. The Circumstellar Structure of the Class I Protostar TMC-1 (IRAS 04381+2540) from *Hubble Space Telescope* NICMOS Data. 637, 811 (2006)
- BRUNETTO, R. Ion Irradiation of Frozen Methanol, Methane, and Benzene: Linking to the Colors of Centaurs and Trans-Neptunian Objects. *R. Brunetto, M. A. Barucci, E. Dotto, and G. Strazzulla*. 644, 646 (2006)
- See LAZZARIN, M., et al. Space Weathering in the Main Asteroid Belt: The Big Picture. 647, L179 (2006)
- BRUNNER, R. J. See LOPES, P. A. A., et al. X-Ray Galaxy Clusters in NoSOCS: Substructure and the Correlation of Optical and X-Ray Properties. 648, 209 (2006)
- BRUNNER, ROBERT J. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
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- BRUNT, CHRISTOPHER M. See HEYER, MARK H., et al. Turbulent Gas Flows in the Rosette and G216-2.5 Molecular Clouds: Assessing Turbulent Fragmentation Descriptions of Star Formation. 643, 956 (2006)
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- See YOUNGER, JOSHUA D., et al. Breaking Cosmological Degeneracies in Galaxy Cluster Surveys with a Physical Model of Cluster Structure. 653, 27 (2006)
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- BRYANS, P. Collisional Ionization Equilibrium for Optically Thin Plasmas. I. Updated Recombination Rate Coefficients for Bare through Sodium-like Ions. *P. Bryans, N. R. Badnell, T. W. Gorczyca, J. M. Laming, W. Mithumshiri, and D. W. Savin*. 167, 343 (2006)
- BRYDEN, G. Frequency of Debris Disks around Solar-Type Stars: First Results from a *Spitzer* MIPS Survey. *G. Bryden, C. A. Beichman, D. E. Trilling, G. H. Rieke, E. K. Holmes, S. M. Lawler, K. R. Stapelfeldt, M. W. Werner*.

- T. N. Gautier, M. Blaylock, K. D. Gordon, J. A. Stansberry, and K. Y. L. Su. 636, 1098 (2006)
- See BEICHMAN, C. A., et al. IRS Spectra of Solar-Type Stars: A Search for Asteroid Belt Analogs. 639, 1166 (2006)
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- Spitzer* MIPS Limits on Asteroidal Dust in the Pulsar Planetary System PSR B1257+12. G. Bryden, C. A. Beichman, G. H. Rieke, J. A. Stansberry, K. R. Stapelfeldt, D. E. Trilling, N. J. Turner, and A. Wolszczan. 646, 1038 (2006)
- See BEICHMAN, C. A., et al. New Debris Disks around Nearby Main-Sequence Stars: Impact on the Direct Detection of Planets. 652, 1674 (2006)
- See SU, K. Y. L., et al. Debris Disk Evolution around A Stars. 653, 675 (2006)
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- See BENDO, GEORGE J., et al. *Spitzer* and JCMT Observations of the Active Galactic Nucleus in the Sombrero Galaxy (NGC 4594). 645, 134 (2006)
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- See RICHARDS, GORDON T., et al. Spectral Energy Distributions and Multiwavelength Selection of Type I Quasars. 166, 470 (2006)
- BUFFINGTON, ANDREW. A Search for Early Optical Emission at Gamma-Ray Burst Locations by the Solar Mass Ejection Imager (SMEI). Andrew Buffington, David L. Band, Bernard V. Jackson, P. Paul Hick, and Aaron C. Smith. 637, 880 (2006)
- BÜHLER, F. See BUSEMANN, H., et al. Interstellar Helium Trapped with the COLLISA Experiment on the *Mir* Space Station—Improved Isotope Analysis by In Vacuo Etching. 639, 246 (2006)
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- See BELCZYNSKI, KRZYSZTOF, et al. Initial Populations of Black Holes in Star Clusters. 650, 303 (2006)
- BULLOCK, JAMES. See ZAPPACOSTA, LUCA, et al. The Absence of Adiabatic Contraction of the Radial Dark Matter Profile in the Galaxy Cluster A2589. 650, 777 (2006)
- BULLOCK, JAMES S. See FONT, ANDREEA S., et al. Chemical Abundance Distributions of Galactic Halos and Their Satellite Systems in a Λ CDM Universe. 638, 585 (2006)
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- BUNDY, KEVIN. The Mass Assembly History of Field Galaxies: Detection of an Evolving Mass Limit for Star-Forming Galaxies. Kevin Bundy, Richard S. Ellis, Christopher J. Conselice, James E. Taylor, Michael C. Cooper, Christopher N. A. Willmer, Benjamin J. Weiner, Alison L. Coil, Kai G. Noeske, and Peter R. M. Eisenhardt. 651, 120 (2006)
- See STANFORD, S. A., et al. The *XMM* Cluster Survey: A Massive Galaxy Cluster at $z = 1.45$. 646, L13 (2006)
- BUONANNO, R. See DEL PRINCIPE, M., et al. A Pulsational Distance to ω Centauri Based on Near-Infrared Period-Luminosity Relations of RR Lyrae Stars. 652, 362 (2006)
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- See HUMPHREY, PHILIP J., et al. A *Chandra* View of Dark Matter in Early-Type Galaxies. 646, 899 (2006)
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- BURDERI, L. See D'ANTONA, F., et al. Radio Ejection and Bump-related Orbital Period Gap of Millisecond Binary Pulsars. 640, 950 (2006)
- See IARIA, R., et al. *Chandra* Observation of the Persistent Emission from the Dipping Source XB 1916–053. 647, 1341 (2006)
- See D'ANTONA, F., et al. Modeling the Closest Double Degenerate System RX J0806.3+1527 and Its Decreasing Period. 653, 1429 (2006)
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- Order in the Chaos: Spin-up and Spin-down during the 2002 Outburst of

- SAX J1808.4-3658. *L. Burderi, T. Di Salvo, M. T. Menna, A. Riggio, and A. Papitto*. 653, L133 (2006)
- BURENIN, R. See BARKHOUSE, W. A., et al. ChaMP Serendipitous Galaxy Cluster Survey. 645, 955 (2006)
- BURGARELLA, D. See IGLESIAS-PÁRAMO, J., et al. Star Formation in the Nearby Universe: The Ultraviolet and Infrared Points of View. 164, 38 (2006)
- BURGASSER, A. J. See MUNO, M. P., et al. Isolated, Massive Supergiants near the Galactic Center. 638, 183 (2006)
- BURGASSER, ADAM J. *Hubble Space Telescope* NICMOS Observations of T Dwarfs: Brown Dwarf Multiplicity and New Probes of the L/T Transition. *Adam J. Burgasser, J. Davy Kirkpatrick, Kelle L. Cruz, I. Neill Reid, Sandy K. Leggett, James Liebert, Adam Burrows, and Michael E. Brown*. 166, 585 (2006)
- A Unified Near-Infrared Spectral Classification Scheme for T Dwarfs. *Adam J. Burgasser, T. R. Geballe, S. K. Leggett, J. Davy Kirkpatrick, and David A. Golimowski*. 637, 1067 (2006)
- A Method for Determining the Physical Properties of the Coldest Known Brown Dwarfs. *Adam J. Burgasser, Adam Burrows, and J. Davy Kirkpatrick*. 639, 1095 (2006)
- See REID, I. NEILL, et al. 2MASS J22521073-1730134: A Resolved L/T Binary at 14 Parsecs. 639, 1114 (2006)
- See KIRKPATRICK, J. DAVY, et al. Discovery of a Very Young Field L Dwarf. 2MASS J01415823-4633574. 639, 1120 (2006)
- Discovery of the Coolest Extreme Subdwarf. *Adam J. Burgasser and J. Davy Kirkpatrick*. 645, 1485 (2006)
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- BURDAY, M. See LORIMER, D. R., et al. Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. 640, 428 (2006)
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- See GOULD, A., et al. Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. 644, L37 (2006)
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- See MUTERSPAUGH, MATTHEW W., et al. Limits to Tertiary Astrometric Companions in Binary Systems. 653, 1469 (2006)
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- BURLAGA, L. F. Magnetic Fields in the Heliosheath: *Voyager 1* Observations. *L. F. Burlaga, N. F. Ness, and M. H. Acuña*. 642, 584 (2006)
- Tsallis Statistics of the Magnetic Field in the Heliosheath. *L. F. Burlaga, A. F. Viñas, N. F. Ness, and M. H. Acuña*. 644, L83 (2006)
- BURLES, S. Detecting the Aberration of the Cosmic Microwave Background. *S. Burles and S. Rappaport*. 641, L1 (2006)
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- See BOYCE, EDWARD R., et al. A Search for Radio Gravitational Lenses, Using the Sloan Digital Sky Survey and the Very Large Array. 640, 62 (2006)
- See TREU, TOMMASO, et al. The Sloan Lens ACS Survey. II. Stellar Populations and Internal Structure of Early-Type Lens Galaxies. 640, 662 (2006)
- See KOOPMANS, LÉON V. E., et al. The Sloan Lens ACS Survey. III. The Structure and Formation of Early-Type Galaxies and Their Evolution since $z \approx 1$. 649, 599 (2006)
- See TREU, TOMMASO, et al. Erratum: "The Sloan Lens ACS Survey. II. Stellar Populations and Internal Structure of Early-Type Lens Galaxies" (ApJ, 640, 662 [2006]). 650, 1219 (2006)
- See HENNAWI, JOSEPH F., et al. Quasars Probing Quasars. I. Optically Thick Absorbers near Luminous Quasars. 651, 61 (2006)
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- BURROWS, A. A New Mechanism for Core-Collapse Supernova Explosions. *A. Burrows, E. Livne, L. Dessart, C. D. Ott, and J. Murphy*. 640, 878 (2006)
- See DESSART, L., et al. Multidimensional Simulations of the Accretion-induced Collapse of White Dwarfs to Neutron Stars. 644, 1063 (2006)
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- Theory for the Secondary Eclipse Fluxes, Spectra, Atmospheres, and Light Curves of Transiting Extrasolar Giant Planets. *A. Burrows, D. Sudarsky, and I. Hubeny*. 650, 1140 (2006)
- BURROWS, ADAM. See OTT, CHRISTIAN D., et al. The Spin Periods and Rotational Profiles of Neutron Stars at Birth. 164, 130 (2006)
- See BURGASSER, ADAM J., et al. *Hubble Space Telescope* NICMOS Observations of T Dwarfs: Brown Dwarf Multiplicity and New Probes of the L/T Transition. 166, 585 (2006)
- See BURGASSER, ADAM J., et al. A Method for Determining the Physical Properties of the Coldest Known Brown Dwarfs. 639, 1095 (2006)
- L and T Dwarf Models and the L to T Transition. *Adam Burrows, David Sudarsky, and Ivan Hubeny*. 640, 1063 (2006)
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- BURROWS, D. N. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
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- See LIANG, E. W., et al. Testing the Curvature Effect and Internal Origin

- of Gamma-Ray Burst Prompt Emissions and X-Ray Flares with *Swift* Data. 646, 351 (2006)
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- BUTLER, R. P. Catalog of Nearby Exoplanets. R. P. Butler, J. T. Wright, G. W. Marcy, D. A. Fischer, S. S. Vogt, C. G. Tinney, H. R. A. Jones, B. D. Carter, J. A. Johnson, C. McCarthy, and A. J. Penny. 646, 505 (2006)
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- Erratum: "The Effects of Metallicity and Grain Size on Gravitational Instabilities in Protoplanetary Disks" (*ApJ* 636, L149 [2006]). *Kai Cai, Richard H. Durisen, Scott Michael, Aaron C. Boley, Annie C. Mejía, Megan K. Pickett, and Paola D'Alessio*. 642, L173 (2006)
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- See LORIMER, D. R., et al. Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. 640, 428 (2006)
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- CAPUTI, K. I. Linking Stellar Mass and Star Formation in *Spitzer* MIPS 24 μ m Galaxies. *K. I. Caputi, H. Dole, G. Lagache, R. J. Laure, J.-L. Puget, G. H. Rieke, J. S. Dunlop, E. Le Floc'h, C. Papovich, and P. G. Pérez-González*. 637, 727 (2006)
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- Properties of the δ Scorpii Circumstellar Disk from Continuum Modeling. *A. C. Carciofi, A. S. Miroshnichenko, A. V. Kusun, J. E. Bjorkman, K. S. Bjorkman, F. Marang, K. S. Kuratov, P. García-Lario, J. V. Perea Calderón, J. Fabregat, and A. M. Magalhães*. 652, 1617 (2006)
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- See RIECHERS, DOMINIK A., et al. CO(1–0) in $z \approx 4$ Quasar Host Galaxies: No Evidence for Extended Molecular Gas Reservoirs. 650, 604 (2006)
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- CARRARO, GIOVANNI. NGC 6791: An Exotic Open Cluster or the Nucleus of a Tidally Disrupted Galaxy? *Giovanni Carraro, Sandro Villanova, Pierre Demarque, M. Virginia McSwain, Giampaolo Piotto, and Luigi R. Bedin*. 643, 1151 (2006)
- See DUFFAU, SONIA, et al. Spectroscopy of QUEST RR Lyrae Variables: The New Virgo Stellar Stream. 636, L97 (2006)
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- CARRTERO, C. CGCG 480-022: A Distant Lonesome Merger? *C. Carretero, A. Vazdekis, A. C. González-García, J. E. Beckman, and V. Quilis*. 648, L115 (2006)
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- CARTLEDGE, STEFAN I. B. The Homogeneity of Interstellar Elemental Abundances in the Galactic Disk. *Stefan I. B. Cartledge, J. T. Lauroesch, David M. Meyer, and Ulysses J. Sofia*. 641, 327 (2006)
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- CASASSUS, S. Morphological Analysis of the Centimeter-Wave Continuum in the Dark Cloud LDN 1622. *S. Casassus, G. F. Cabrera, F. Förster, T. J. Pearson, A. C. S. Readhead, and C. Dickinson*. 639, 951 (2006)
- See DICKINSON, C., et al. An Upper Limit on Anomalous Dust Emission at 31 GHz in the Diffuse Cloud [LPH96] 201.663+1.643. 643, L111 (2006)
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- CASELLI, P. See VASTEL, C., et al. The Distribution of Ortho- H_2D^+ ($1_{0,0}-1_{1,1}$) in L1544: Tracing the Deuteration Factory in Prestellar Cores. 645, 1198 (2006)
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- Explosive Activity in the High-Redshift Gamma-Ray Burst GRB 060206. 642, L99 (2006)
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- See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- See OTA, NAOMI, et al. *Chandra* Observations of SDSS J1004+4112: Constraints on the Lensing Cluster and Anomalous X-Ray Flux Ratios of the Quadruply Imaged Quasar. 647, 215 (2006)
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- See AGÚNDEZ, MARCELINO, et al. Oxygen Chemistry in the Circumstellar Envelope of the Carbon-Rich Star IRC +10216. 650, 374 (2006)

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- CHEN, GANG. Constraining Primordial Non-Gaussianities from the WMAP2

- 2-1 Cumulant Correlator Power Spectrum. *Gang Chen and István Szapudi*. 647, L87 (2006)
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- CHEN, Y. Catastrophe of Coronal Flux Rope in Unsheared and Sheared Bipolar Magnetic Fields. *Y. Chen, X. H. Chen, and Y. Q. Hu*. 644, 587 (2006)
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- CHEN, YANG. Chandra ACIS Spectroscopy of N157B: A Young Composite Supernova Remnant in a Superbubble. *Yang Chen, Q. Daniel Wang, E. V. Gotthelf, Bing Jiang, You-Hua Chu, and Robert Gruendl*. 651, 237 (2006)
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- CHEVALIER, R. A. See SODERBERG, A. M., et al. An *HST* Study of the Supernovae Accompanying GRB 040924 and GRB 041006. 636, 391 (2006)
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- CHINI, R. A Remnant Disk around a Young Massive Star. R. Chini, V. H.

- Hoffmeister, M. Nielbock, C. M. Scheyda, J. Steinacker, R. Siebenmorgen, and D. Nürnberg. 645, L61 (2006)
- CHIU, KUENLEY. See LIU, MICHAEL C., et al. SDSS J1534+1615AB: A Novel T Dwarf Binary Found with Keck Laser Guide Star Adaptive Optics and the Potential Role of Binarity in the L/T Transition. 647, 1393 (2006)
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- CHIU, PO-JIAN. A Slowly Expanding Disk and Fast Bipolar Outflow from the S Star π^1 Gruis. *Po-Jian Chiu, Chi-Thiem Hoang, Dinh-V-Trung, Jeremy Lim, Sun Kwok, Naomi Hirano, and C. Muthu*. 645, 605 (2006)
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- CHOI, MINHO. Variability of the NGC 1333 IRAS 4A Outflow: Molecular Hydrogen and Silicon Monoxide Images. *Minho Choi, Klaus W. Hodapp, Masahiko Hayashi, Kentaro Motohara, Soojong Pak, and Tae-Soo Pyo*. 646, 1050 (2006)
- Millimeter Imaging of the HH 270 Protostellar Core and Outflow. *Minho Choi and Ya-Wen Tang*. 648, 504 (2006)
- CHOI, P. I. Star Formation Rates and Extinction Properties of IR-luminous Galaxies in the *Spitzer* First Look Survey. *P. I. Choi, L. Yan, M. Im, G. Helou, B. T. Soifer, L. J. Storrie-Lombardi, R. Chary, H. I. Teplitz, D. Fadda, F. R. Marleau, M. Lacy, G. Wilson, P. N. Appleton, D. T. Frayer, and J. A. Surace*. 637, 227 (2006)
- CHOI, PHILIP. See SHIM, HYUNJIN, et al. Deep u^* - and g-Band Imaging of the *Spitzer* Space Telescope First Look Survey Field: Observations and Source Catalogs. 164, 435 (2006)
- CHOI, S. See MILAM, STEFANIE N., et al. Formaldehyde in Comets C/1995 O1 (Hale-Bopp), C/2002 T7 (LINEAR), and C/2001 Q4 (NEAT): Investigating the Cometary Origin of H_2CO . 649, 1169 (2006)
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- CHRISTLIEB, N. See AOKI, W., et al. HE 1327-2326, an Unevolved Star with $[\text{Fe}/\text{H}] < -5.0$. I. A Comprehensive Abundance Analysis. 639, 897 (2006)
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- Watson, B. A. Whitney, M. G. Wolfire, T. M. Bania, R. A. Benjamin, D. P. Clemens, M. Cohen, C. J. Cyganowski, J. M. Jackson, H. A. Kobulnicky, J. S. Mathis, E. P. Mercer, S. R. Stolovy, B. Utsen, D. F. Watson, and M. J. Wolff. 649, 759 (2006)
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- See MUNO, MICHAEL P., et al. A Neutron Star with a Massive Progenitor in Westerlund 1. 636, L41 (2006)
- CLARK, S. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- Spyromilio, Christopher Stubbs, Nicholas B. Suntzeff, John L. Tonry, and Patrick Woudt. 642, 1 (2006)
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- Clues to Active Galactic Nucleus Growth from Optically Variable Objects in the Hubble Ultra Deep Field. S. H. Cohen, R. E. Ryan, Jr., A. N. Straughn, N. P. Hathi, R. A. Windhorst, A. M. Koekemoer, N. Pirzkal, C. Xu, B. Mobasher, S. Malhotra, L.-G. Strolger, and J. E. Rhoads. 639, 731 (2006)
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- The Bright Ages Survey. II. Evolution of Luminosity, Dust Extinction, and Star Formation from $z = 0.5$ to $z = 2.5$. *James W. Colbert, Matthew A. Malkan, and R. Michael Rich*. 648, 250 (2006)
- Ultraviolet-bright, High-Redshift Ultraluminous Infrared Galaxies. *James W. Colbert, Harry Teplitz, Paul Francis, Povilas Palunas, Gerard M. Williger, and Bruce Woodgate*. 637, L89 (2006)
- COLE, A. L. The Search for Supernova Grains in an Ice Core. *A. L. Cole, R. N. Boyd, M. E. Davis, L. G. Thompson, A. M. Davis, R. S. Lewis, and E. Zinner*. 652, 1763 (2006)
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- COLLET, R. The Chemical Compositions of the Extreme Halo Stars HE 0107–5240 and HE 1327–2326 Inferred from Three-dimensional Hydrodynamical Model Atmospheres. *R. Collet, M. Asplund, and R. Trampedach*. 644, L121 (2006)
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- CONLEY, A. Measurement of Ω_m , Ω_Λ from a Blind Analysis of Type Ia Supernovae with CMAGIC: Using Color Information to Verify the Acceleration of the Universe. *A. Conley, G. Goldhaber, L. Wang, G. Aldering, R. Amanullah, E. D. Commins, V. Fudeyev, G. Folatelli, G. Garavini, R. Gibbons, A. Goobar, D. E. Groom, I. Hook, D. A. Howell, A. G. Kim, R. A. Knop, M. Kowalski, N. Kuznetsova, C. Lidman, S. Nobili, P. E. Nugent, R. Pain, S. Perlmutter, E. Smith, A. L. Spadafora, V. Stanishev, M. Strovink, R. C. Thomas, and W. M. Wood-Vasey (The Supernova Cosmology Project)*. 644, 1 (2006)
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- Keck Spectroscopy of Globular Clusters in the Virgo Cluster Dwarf Elliptical Galaxy VCC 1386. *Christopher J. Conselice*. 639, 120 (2006)
- See BUNDY, KEVIN, et al. The Mass Assembly History of Field Galaxies: Detection of an Evolving Mass Limit for Star-Forming Galaxies. 651, 120 (2006)
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- On the Physics of Type I X-Ray Bursts on Accreting Neutron Stars at High Accretion Rates. *Randall L. Cooper and Ramesh Narayan*. 648, L123 (2006)
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- Angular Diameter Distance Measurement with Galaxy Clustering in the Multipole Space. *Asantha Cooray*. 651, L77 (2006)
- COPIN, Y. See ALDERING, G., et al. Nearby Supernova Factory Observations of SN 2005gj: Another Type Ia Supernova in a Massive Circumstellar Envelope. 650, 510 (2006)
- COPPI, B. Plasma Disks and Rings with "High" Magnetic Energy Densities. *B. Coppi and F. Rousseau*. 641, 458 (2006)
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- CORBET, S. On the Origin of Black Hole X-Ray Emission in Quiescence: *Chandra* Observations of XTE J1550–564 and H1743–322. *S. Corbet, J. A. Tomsick, and P. Kaaret*. 636, 971 (2006)
- See KALEMCI, E., et al. The Galactic Black Hole Transient H1743–322 during Outburst Decay: Connections between Timing Noise, State Transitions, and Radio Emission. 639, 340 (2006)
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- CORBIN, MICHAEL R. Ultracompact Blue Dwarf Galaxies: *Hubble Space Telescope* Imaging and Stellar Population Analysis. *Michael R. Corbin, William D. Vacca, Roberto Cid Fernandes, John E. Hibbard, Rachel S. Somerville, and Rogier A. Windhorst*. 651, 861 (2006)
- CORCORAN, M. See HILLIER, D. JOHN, et al. The UV Scattering Halo of the Central Source Associated with η Carinae. 642, 1098 (2006)
- CORDES, J. M. Arecibo Pulsar Survey Using ALFA. I. Survey Strategy and First Discoveries. *J. M. Cordes, P. C. C. Freire, D. R. Lorimer, F. Camilo, D. J. Champion, D. J. Nice, R. Ramachandran, J. W. T. Hessels, W. Vlemmings, J. van Leeuwen, S. M. Ransom, N. D. R. Bhat, Z. Arzoumanian, M. A. McLaughlin, V. M. Kaspi, L. Kasian, J. S. Denève, B. Reid, S. Chatterjee, J. L. Han, D. C. Backer, J. H. Stairs, A. A. Deshpande, and C.-A. Faucher-Giguère*. 637, 446 (2006)
- See LORIMER, D. R., et al. Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. 640, 428 (2006)
- CORDES, JAMES M. Theory of Parabolic Arcs in Interstellar Scintillation Spectra. *James M. Cordes, Barney J. Rickett, Daniel R. Stinebring, and William A. Coles*. 637, 346 (2006)
- CÓRDOVA, F. A. See MAUGHAN, B. J., et al. *XMM-Newton* Observes Cl J0152.7–1357: A Massive Galaxy Cluster Forming at Merger Crossroads at $z = 0.83$. 640, 219 (2006)
- See MCGOWAN, K. E., et al. Probing the Pulsar Wind Nebula of PSR B0355+54. 647, 1300 (2006)
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- CORRÉGÉ, G. Oscillator Strengths of Near-Infrared Lines of Fe II. *G. Corrége and A. Hibbert*. 636, 1166 (2006)
- CORSI, C. E. See DEL PRINCIPLE, M., et al. A Pulsational Distance to ω Centauri Based on Near-Infrared Period-Luminosity Relations of RR Lyrae Stars. 652, 362 (2006)
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- CORTES, PAULO C. Interferometric Mapping of Magnetic Fields: NGC 2071IR. *Paulo C. Cortes, Richard M. Crutcher, and Brenda C. Matthews*. 650, 246 (2006)
- CORTESE, L. UV Dust Attenuation in Normal Star-Forming Galaxies. I. Estimating the $L_{\text{FIR}}/L_{\text{FUV}}$ Ratio. *L. Cortese, A. Boselli, V. Buat, G. Gavazzi, S. Boissier, A. Gil de Paz, M. Seibert, B. F. Madore, and D. C. Martin*. 637, 242 (2006)
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- The ACS Virgo Cluster Survey. VIII. The Nuclei of Early-Type Galaxies. *Patrick Côté, Slawomir Piatek, Laura Ferrarese, Andrés Jordán, David Merritt, Eric W. Peng, Monica Hasegan, John P. Blakeslee, Simona Mei, Michael J. West, Miloš Milosavljević, and John L. Tonry*. 165, 57 (2006)
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- See PENG, ERIC W., et al. The ACS Virgo Cluster Survey. XI. The Nature of Diffuse Star Clusters in Early-Type Galaxies. 639, 838 (2006)
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- Consistent with a Pole-On, Rapidly Rotating Star" (ApJ, 645, 664 [2006]). 651, 617 (2006)
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- See DEN HARTOG, E. A., et al. Improved Laboratory Transition Probabilities for Gd II and Application to the Gadolinium Abundances of the Sun and Three r -Process Rich, Metal-poor Stars. 167, 292 (2006)
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- CRAWFORD, S. M. Luminous Compact Blue Galaxies in Intermediate-Redshift Galaxy Clusters: A Significant but Extreme Butcher-Oemler Population. *S. M. Crawford, M. A. Bershad, A. D. Glenn, and J. G. Hoessel.* 636, L13 (2006)
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- CROFT, STEVE. Minkowski's Object: A Starburst Triggered by a Radio Jet. Revisited. *Steve Croft, Wil van Breugel, Wim de Vries, Mike Dopita, Chris Martin, Raffaella Morganti, Susan Neff, Tom Oosterloo, David Schiminovich, S. A. Stanford, and Jacqueline van Gorkom.* 647, 1040 (2006)
- CROLL, BRYCE. Differential Rotation of ϵ Eridani Detected by MOST. *Bryce Croll, Gordon A. H. Walker, Rainer Kuschnig, Jaymie M. Matthews, Jason F. Rowe, Andrew Walker, Slavek M. Rucinski, Artie P. Hatzes, William D. Cochran, Russell M. Robb, David B. Guenther, Anthony F. J. Moffat, Dimitar Sasselov, and Werner W. Weiss.* 648, 607 (2006)
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- See MUNO, MICHAEL P., et al. A Neutron Star with a Massive Progenitor in Westerlund 1. 636, L41 (2006)
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- CUMMING, ANDREW. Long Type I X-Ray Bursts and Neutron Star Interior

- Physics. Andrew Cumming, Jared Macbeth, J. J. M. in 't Zand, and Dany Page. 646, 429 (2006)
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- See KONG, X., et al. A Wide Area Survey for High-Redshift Massive Galaxies. I. Number Counts and Clustering of BzKs and EROs. 638, 72 (2006)
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- See PAPOVICH, C., et al. *Spitzer* Observations of Massive, Red Galaxies at High Redshift. 640, 92 (2006)
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- DAI, HAI-LANG. Exploration of the $P_{\text{X}}-P_{\text{opt}}$ Relation for Wind-fed X-Ray Pulsars. *Hai-Lang Dai, Xi-Wei Liu, and Xiang-Dong Li*. 653, 1410 (2006)
- DAI, X. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- DAIGNE, FRÉDÉRIC. Hierarchical Growth and Cosmic Star Formation: Enrichment, Outflows, and Supernova Rates. *Frédéric Daigne, Keith A. Olive, Joe Silk, Felix Stoehr, and Elisabeth Vangioni*. 647, 773 (2006)
- DALCANTON, JULIANNE. See POGGIANTI, BIANCA M., et al. The Evolution of the Star Formation Activity in Galaxies and Its Dependence on Environment. 642, 188 (2006)
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- See MURPHY, E. J., et al. The Effect of Star Formation on the Far-Infrared–Radio Correlation within Galaxies. 651, L111 (2006)
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- See BENDO, GEORGE J., et al. The Spectral Energy Distribution of Dust Emission in the Edge-on Spiral Galaxy NGC 4631 as Seen with *Spitzer* and the James Clerk Maxwell Telescope. 652, 283 (2006)
- See REGAN, MICHAEL W., et al. The Radial Distribution of the Interstellar Medium in Disk Galaxies: Evidence for Secular Evolution. 652, 1112 (2006)
- See CANNON, JOHN M., et al. The Nature of Infrared Emission in the Local Group Dwarf Galaxy NGC 6822 as Revealed by *Spitzer*. 652, 1170 (2006)
- See PÉREZ-GONZÁLEZ, PABLO G., et al. Erratum: "Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031)" (ApJ, 648, 987 [2006]). 653, 812 (2006)
- D'ALESSIO, P. See FURLAN, E., et al. A Survey and Analysis of *Spitzer* Infrared Spectrograph Spectra of T Tauri Stars in Taurus. 165, 568 (2006)
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- See SARGENT, B., et al. Dust Processing in Disks around T Tauri Stars. 645, 395 (2006)
- D'ALESSIO, PAOLA. Effects of Dust Growth and Settling in T Tauri Disks. Paola D'Alessio, Nuria Calvet, Lee Hartmann, Ramiro Franco-Hernández, and Hermelinda Servín. 638, 314 (2006)
- See SICILIA-AGUILAR, AURORA, et al. Disk Evolution in Cep OB2: Results from the *Spitzer Space Telescope*. 638, 897 (2006)
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- See BOLEY, AARON C., et al. The Thermal Regulation of Gravitational Instabilities in Protoplanetary Disks. III. Simulations with Radiative Cooling and Realistic Opacities. 651, 517 (2006)
- See CAI, KAI, et al. The Effects of Metallicity and Grain Size on Gravitational Instabilities in Protoplanetary Disks. 636, L149 (2006)
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- DALGARNO, A. See KREMS, R. V., et al. The $^1D\text{--}^3P$ Transitions in Atomic Oxygen Induced by Impact with Atomic Hydrogen. 647, 1531 (2006)
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- DALGARNO, ALEX. Recombination of H_2 by Raman Association in the Early Universe. Alex Dalgarno and Mark P. J. van der Loo. 646, L91 (2006)
- DALLA, S. Jets of Energetic Particles Generated by Magnetic Reconnection at a Three-dimensional Magnetic Null. S. Dalla and P. K. Browning. 640, L99 (2006)
- DALLA BONTÀ, ELENA. See FERRARESE, LAURA, et al. A Fundamental Relation between Compact Stellar Nuclei, Supermassive Black Holes, and Their Host Galaxies. 644, L21 (2006)
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- Variable Stars in the Newly Discovered Milky Way Satellite in Bootes. Massimo Dall'Orta, Gisella Clementini, Karen Kinemuchi, Vincenzo Ripepi, Marcella Marconi, Luca Di Fabrizio, Claudia Greco, Christopher T. Rodgers, Charles Kuehn, and Horace A. Smith. 653, L109 (2006)
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- The Low- z Intergalactic Medium. II. Ly β , O VI, and C III Forest. Charles W. Danforth, J. Michael Shull, Jessica L. Rosenberg, and John T. Stocke. 640, 716 (2006)

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- D'ANTONA, F. Radio Ejection and Bump-related Orbital Period Gap of Millisecond Binary Pulsars. F. D'Antona, P. Ventura, L. Burderi, T. Di Salvo, G. Lavagetto, A. Possenti, and A. Teodoroescu. 640, 950 (2006)
- Modeling the Closest Double Degenerate System RX J0806.3+1527 and Its Decreasing Period. F. D'Antona, P. Ventura, L. Burderi, and A. Teodoroescu. 653, 1429 (2006)
- DANZIGER, JOHN. See BOUCHET, PATRICE, et al. SN 1987A after 18 Years: Mid-Infrared Gemini and *Spitzer* Observations of the Remnant. 650, 212 (2006)
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- DARNLEY, M. J. See CHUNG, S.-J., et al. The Possibility of Detecting Planets in the Andromeda Galaxy. 650, 432 (2006)
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- DAS, MOUSUMI. CO Detection and Millimeter Continuum Emission from Low Surface Brightness Galaxies. Mousumi Das, Karen O'Neil, Stuart N. Vogel, and Stacy McGaugh. 651, 853 (2006)
- DAS, RAMKRISHNA. A Near-Infrared Shock Wave in the 2006 Outburst of Recurrent Nova RS Ophiuchi. Ramkrishna Das, Dipankar P. K. Banerjee, and Nagarhalli M. Ashok. 653, L141 (2006)
- DAS, SUDEEP. Testing a New Analytic Model for Gravitational Lensing Probabilities. Sudeep Das and Jeremiah P. Ostriker. 645, 1 (2006)
- DAS, TAPAS K. See BARAL, PARAMITA, et al. Erratum: "The Dependence of General Relativistic Accretion on Black Hole Spin" (ApJ, 613, L49 [2004]). 640, L107 (2006)
- DASGUPTA, SURAJIT. Discovery of Hard X-Ray Delays in the X-Ray Emission of the Seyfert 1 Galaxy Markarian 110: Possible Evidence of Comptonization. Surajit Dasgupta and A. R. Rao. 651, L13 (2006)
- DA SILVA, AMARO RICA. See JORGE, PEDRO, et al. Pulsating Spectrum of Subdwarf Star PG 1605+072: Comparative Time-Frequency Analysis via Wavelet Packet and Local Sine Packet Transforms of an Interrupted Light Curve. 647, 564 (2006)
- DASYRA, K. M. Dynamical Properties of Ultraluminous Infrared Galaxies. I. Mass Ratio Conditions for ULIRG Activity in Interacting Pairs. K. M. Dasyra, L. J. Tacconi, R. I. Davies, R. Genzel, D. Lutz, T. Naab, A. Burkert, S. Veilleux, and D. B. Sanders. 638, 745 (2006)
- See VEILLEUX, S., et al. A Deep *Hubble Space Telescope* H-Band Imaging Survey of Massive Gas-rich Mergers. 643, 707 (2006)
- See SCHWEITZER, M., et al. *Spitzer* Quasar and ULIRG Evolution Study (QUEST). I. The Origin of the Far-Infrared Continuum of QSOs. 649, 79 (2006)
- Dynamical Properties of Ultraluminous Infrared Galaxies. II. Traces of Dynamical Evolution and End Products of Local Ultraluminous Mergers. K. M. Dasyra, L. J. Tacconi, R. I. Davies, T. Naab, R. Genzel, D. Lutz, E. Sturm, A. J. Baker, S. Veilleux, D. B. Sanders, and A. Burkert. 651, 835 (2006)
- D'AVANZO, P. See WATSON, D., et al. A $\log N_{H_2} = 22.6$ Damped Ly α Absorber in a Dark Gamma-Ray Burst: The Environment of GRB 050401. 652, 1011 (2006)
- See DELLA VALLE, M., et al. Hypernova Signatures in the Late Rebrightening of GRB 050525A. 642, L103 (2006)
- DAVÉ, R. See FINLATOR, K., et al. The Physical and Photometric Properties of High-Redshift Galaxies in Cosmological Hydrodynamic Simulations. 639, 672 (2006)
- DAVÉ, ROMÉEL. See WILLIGER, GERARD M., et al. The Low-Redshift Ly α Forest toward PKS 0405–123. 636, 631 (2006)
- See YANG, YUJIN, et al. Probing Galaxy Formation with He II Cooling Lines. 640, 539 (2006)
- See MALLER, ARIYEH H., et al. Galaxy Merger Statistics and Inferred Bulge-to-Disk Ratios in Cosmological SPH Simulations. 647, 763 (2006)
- See YOO, JAIYUL, et al. From Galaxy-Galaxy Lensing to Cosmological Parameters. 652, 26 (2006)
- See NARAYANAN, DESIKA, et al. Molecular Outflows in Galaxy Merger Simulations with Embedded Active Galactic Nuclei. 642, L107 (2006)
- DAVEY, ALISDAIR R. Investigating SUMER Coronal Hole Observations: A Robust Method of Raster Reduction. Alisdair R. Davey, Scott W. McIntosh, and Donald M. Hassler. 165, 386 (2006)
- See MCINTOSH, SCOTT W., et al. Simple Magnetic Flux Balance as an Indicator of Ne VIII Doppler Velocity Partitioning in an Equatorial Coronal Hole. 644, L87 (2006)
- DAVID, LAURENCE P. The Hot Gas Content of Low-Luminosity Early-Type Galaxies and the Implications Regarding Supernova Heating and Active Galactic Nucleus Feedback. Laurence P. David, Christine Jones, William Forman, Iris Monica Vargas, and Paul Nulsen. 653, 207 (2006)
- DAVIDGE, T. J. The Disk and Extraplanar Environment of NGC 247. T. J. Davidge. 641, 822 (2006)
- DAVIDS, BARRY. See FISHER, JACOB LUND, et al. The Importance of $^{10}(\alpha,\gamma)^{14}\text{Ne}$ to X-Ray Bursts and Superbursts. 650, 332 (2006)
- DAVIDSON, K. See MARTIN, JOHN C., et al. On the He II Emission in η Carinae and the Origin of Its Spectroscopic Events. 640, 474 (2006)
- DAVIDSON, MICHAEL. See STANFORD, S. A., et al. The *XMM* Cluster Survey: A Massive Galaxy Cluster at $z = 1.45$. 646, L13 (2006)
- DAVIDSSON, BJÖRN J. R. See BLUM, JÜRGEN, et al. The Physics of Protoplanetary Dust Agglomerates. I. Mechanical Properties and Relations to Primitive Bodies in the Solar System. 652, 1768 (2006)
- DAVIES, R. See FÖRSTER SCHREIBER, N. M., et al. SINFONI Integral Field Spectroscopy of $z \sim 2$ UV-selected Galaxies: Rotation Curves and Dynamical Evolution. 645, 1062 (2006)

- DAVIES, R. D. See BATTISTELLI, E. S., et al. Millimeter Observation of the SZ Effect in the Corona Borealis Supercluster. 645, 826 (2006)
- See DICKINSON, C., et al. An Upper Limit on Anomalous Dust Emission at 31 GHz in the Diffuse Cloud [LPH96] 201.663+1.643. 643, L111 (2006)
- DAVIES, R. I. See DASYRA, K. M., et al. Dynamical Properties of Ultraluminous Infrared Galaxies. I. Mass Ratio Conditions for ULIRG Activity in Interacting Pairs. 638, 745 (2006)
- The Star-forming Torus and Stellar Dynamical Black Hole Mass in the Seyfert 1 Nucleus of NGC 3227. *R. I. Davies, J. Thomas, R. Genzel, F. Mueller Sánchez, L. J. Tacconi, A. Sternberg, F. Eisenhauer, R. Abuter, R. Saglia, and R. Bender.* 646, 754 (2006)
- See NESVADBA, N. P. H., et al. Lyman Break Galaxies under a Microscope: The Small-Scale Dynamics and Mass of an Arc in the Cluster IES 0657-56. 650, 661 (2006)
- See DASYRA, K. M., et al. Dynamical Properties of Ultraluminous Infrared Galaxies. II. Traces of Dynamical Evolution and End Products of Local Ultraluminous Mergers. 651, 835 (2006)
- DAVIES, R. L. See FABBIANO, G., et al. The Modulated Emission of the Ultraluminous X-Ray Source in NGC 3379. 650, 879 (2006)
- See KIM, D.-W., et al. Probing the Low-Luminosity X-Ray Luminosity Function in Normal Elliptical Galaxies. 652, 1090 (2006)
- DAVIES, ROGER. See JØRGENSEN, INGER, et al. The Fundamental Plane for $z = 0.8-0.9$ Cluster Galaxies. 639, L9 (2006)
- See BARR, JORDI, et al. The Fundamental Plane in RX J0142.0+2131: A Galaxy Cluster Merger at $z = 0.28$. 649, L1 (2006)
- DAVILA, J. M. See SPICER, D. S., et al. A Kopp-Pneumalike Picture of Coronal Mass Ejections. 643, 1304 (2006)
- DAVIS, A. M. See COLE, A. L., et al. The Search for Supernova Grains in an Ice Core. 652, 1763 (2006)
- DAVIS, C. J. Adaptive-Optics-Assisted Near-Infrared Spectroscopy of SVS 13 and Its Jet. *C. J. Davis, B. Nisini, M. Takami, T.-S. Pyo, M. D. Smith, E. Whelan, T. P. Ray, and A. Chrysostomou.* 639, 969 (2006)
- See TAKAMI, M., et al. Subaru IR Echelle Spectroscopy of Herbig-Haro Driving Sources. I. H α and [Fe II] Emission. 641, 357 (2006)
- DAVIS, CHRISTOPHER J. See PYO, TAE-SOO, et al. Adaptive Optics Spectroscopy of the [Fe II] Outflows from HL Tauri and RW Aurigae. 649, 836 (2006)
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- DAVIS, M. See WILLMER, C. N. A., et al. The Deep Evolutionary Exploratory Probe 2 Galaxy Redshift Survey: The Galaxy Luminosity Function to $z \sim 1$. 647, 853 (2006)
- DAVIS, M. E. See COLE, A. L., et al. The Search for Supernova Grains in an Ice Core. 652, 1763 (2006)
- DAVIS, MARC. See COIL, ALISON L., et al. The DEEP2 Galaxy Redshift Survey: Clustering of Groups and Group Galaxies at $z \sim 1$. 638, 668 (2006)
- See COIL, ALISON L., et al. The DEEP2 Galaxy Redshift Survey: Clustering of Galaxies as a Function of Luminosity at $z = 1$. 644, 671 (2006)
- See YAN, RENBIN, et al. On the Origin of [O II] Emission in Red-Sequence and Poststarburst Galaxies. 648, 281 (2006)
- See SCHIAVON, RICARDO P., et al. The DEEP2 Galaxy Redshift Survey: Mean Ages and Metallicities of Red Field Galaxies at $z \sim 0.9$ from Stacked Keck DEIMOS Spectra. 651, L93 (2006)
- DAVIS, R. J. See BATTISTELLI, E. S., et al. Millimeter Observation of the SZ Effect in the Corona Borealis Supercluster. 645, 826 (2006)
- DAVIS, SHANE W. A Grid of Relativistic, Non-LTE Accretion Disk Models for Spectral Fitting of Black Hole Binaries. *Shane W. Davis and Ivan Hubeny.* 164, 530 (2006)
- See BLAES, OMER M., et al. Magnetic Pressure Support and Accretion Disk Spectra. 645, 1402 (2006)
- Testing Accretion Disk Theory in Black Hole X-Ray Binaries. *Shane W. Davis, Chris Done, and Omer M. Blaes.* 647, 525 (2006)
- See SOCRATES, ARISTOTLE, et al. Ultraluminous X-Ray Sources Powered by Radiatively Efficient Two-Phase Super-Eddington Accretion onto Stellar-Mass Black Holes. 651, 1049 (2006)
- See MCLINTOCK, JEFFREY E., et al. The Spin of the Near-Extreme Kerr Black Hole GRS 1915+105. 652, 518 (2006)
- See SHAFEE, REBECCA, et al. Estimating the Spin of Stellar-Mass Black Holes by Spectral Fitting of the X-Ray Continuum. 636, L113 (2006)
- DAWSON, K. S. Final Results from the BIMA CMB Anisotropy Survey and Search for a Signature of the Sunyaev-Zel'dovich Effect. *K. S. Dawson, W. L. Holzapfel, J. E. Carlstrom, M. Joy, and S. J. LaRoque.* 647, 13 (2006)
- DAWSON, KYLE S. See BONAMENTE, MASSIMILIANO, et al. Determination of the Cosmic Distance Scale from Sunyaev-Zel'dovich Effect and *Chandra* X-Ray Measurements of High-Redshift Galaxy Clusters. 647, 25 (2006)
- See LAROQUE, SAMUEL J., et al. X-Ray and Sunyaev-Zel'dovich Effect Measurements of the Gas Mass Fraction in Galaxy Clusters. 652, 917 (2006)
- DAZELEY, S. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- DAZZI, F. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
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- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- DEAN, A. J. See BIRD, A. J., et al. The Second IBIS/ISGRI Soft Gamma-Ray Survey Catalog. 636, 765 (2006)
- See CAPITANIO, F., et al. Spectral States of the X-Ray Binary IGR J17091-3624 Observed by *INTEGRAL* and *RXTE*. 643, 376 (2006)
- See SGUERA, V., et al. Unveiling Supergiant Fast X-Ray Transient Sources with *INTEGRAL*. 646, 452 (2006)
- See LANDI, R., et al. *Swift* XRT Follow-up Observations of TeV Sources of the HESS Inner Galaxy Survey. 651, 190 (2006)
- See BASSANI, L., et al. *INTEGRAL* IBIS Extragalactic Survey: Active Galactic Nuclei Selected at 20-100 keV. 636, L65 (2006)
- See BAZZANO, A., et al. *INTEGRAL* IBIS Census of the Sky Beyond 100 keV. 649, L9 (2006)
- DE ANGELI, FRANCESCA. See MONKMAN, ERIC, et al. Tracing the Dynamical History of the Globular Cluster 47 Tucanae. 650, 195 (2006)
- DE ANGELIS, A. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- DEARBORN, DAVID S. P. Three-dimensional Numerical Experimentation on the Core Helium Flash of Low-Mass Red Giants. *David S. P. Dearborn, John C. Lattanzio, and Peter P. Eggleton.* 639, 405 (2006)
- DEBATTISTA, VICTOR P. See SELLWOOD, J. A., et al. Bar-Halo Friction in Galaxies. II. Metastability. 639, 868 (2006)
- The Secular Evolution of Disk Structural Parameters. *Victor P. Debattista, Lucio Mayer, C. Marcella Carollo, Ben Moore, James Wadsley, and Thomas Quinn.* 645, 209 (2006)
- The Binary Nucleus in VCC 128: A Candidate Supermassive Black Hole in a Dwarf Elliptical Galaxy. *Victor P. Debattista, Ignacio Ferreras, Anna Pasquali, Anil Seth, Sven De Rijcke, and Lorenzo Morelli.* 651, L97 (2006)
- DEBECKER, M. See BYKOV, A. M., et al. On the Nature of the Hard X-Ray Source IGR J2018+4043. 649, L21 (2006)
- DE BERNARDIS, P. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum

- of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- DEBES, J. H. Detection of a Variable Infrared Excess around SDSS J121209.31+013627.7. *J. H. Debes, M. López-Morales, A. Z. Bonanos, and A. J. Weinberger.* 647, L147 (2006)
- DEBES, JOHN H. Measuring M Dwarf Winds with DAZ White Dwarfs. *John H. Debes.* 652, 636 (2006)
- DE BLOK, W. J. G. See KUZIO DE NARAY, RACHEL, et al. High-Resolution Optical Velocity Fields of 11 Low Surface Brightness Galaxies. 165, 461 (2006)
- See CANNON, JOHN M., et al. The Nature of Infrared Emission in the Local Group Dwarf Galaxy NGC 6822 as Revealed by *Spitzer*. 652, 1170 (2006)
- DE BUIZER, I. JAMES M. See BOUCHET, PATRICE, et al. SN 1987A after 18 Years: Mid-Infrared Gemini and *Spitzer* Observations of the Remnant. 650, 212 (2006)
- DE BUIZER, JAMES M. The Remarkable Mid-Infrared Jet of the Massive Young Stellar Object G35.20-0.74. *James M. De Buizer.* 642, L57 (2006)
- DÉCAMP, N. Particle Acceleration and Intermittent Turbulence in Coronal Loops. *N. Décamp and F. Malara.* 637, L61 (2006)
- DE CARVALHO, R. R. See LOPES, P. A. A., et al. X-Ray Galaxy Clusters in NoSOCs: Substructure and the Correlation of Optical and X-Ray Properties. 648, 209 (2006)
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- DE CESARE, G. See CAPITANIO, F., et al. Spectral States of the X-Ray Binary IGR J17091-3624 Observed by *INTEGRAL* and *RXTE*. 643, 376 (2006)
- DECKER, R. B. See LARIO, D., et al. Radial and Longitudinal Dependence of Solar 4-13 MeV and 27-37 MeV Proton Peak Intensities and Fluences: *Helios* and *IMP 8* Observations. 653, 1531 (2006)
- DE COLLE, FABIO. See RAFIKOV, ROMAN R., et al. Structure of Passive Circumstellar Disks: Beyond the Two-Temperature Approximation. 646, 275 (2006)
- DECOURCHELLE, A. See RENAUD, M., et al. The Signature of ^{44}Ti in Cassiopeia A Revealed by IBIS/ISGRI on *INTEGRAL*. 647, L41 (2006)
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- DE FELICE, F. A General Relativistic Model of Light Propagation in the Gravitational Field of the Solar System: The Dynamical Case. *F. de Felice, A. Vecchiato, M. T. Crosta, B. Bucciarelli, and M. G. Lattanzi.* 653, 1552 (2006)
- DE FILIPPIS, ELISABETTA. See SERENO, MAURO, et al. Measuring the Three-dimensional Structure of Galaxy Clusters. II. Are Clusters of Galaxies Oblate or Prolate? 645, 170 (2006)
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- DE GASPERIS, G. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- DEGENNARO, STEVEN. See VON HIPPEL, TED, et al. Inverting Color-Magnitude Diagrams to Access Precise Star Cluster Parameters: A Bayesian Approach. 645, 1436 (2006)
- DEGRANGE, B. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- DE GREGORI, S. See BATTISTELLI, E. S., et al. Millimeter Observation of the SZ Effect in the Corona Borealis Supercluster. 645, 826 (2006)
- DE GREGORIO-MONSALVO, I. See KONDRATKO, P. T., et al. Discovery of Water Maser Emission in Eight AGNs with 70 m Antennas of NASA's Deep Space Network. 638, 100 (2006)
- See KONDRATKO, P. T., et al. Erratum: "Discovery of Water Maser Emission in Eight AGNs with 70 m Antennas of NASA's Deep Space Network" (ApJ, 638, 100 [2006]). 649, 561 (2006)
- DE GREGORIO-MONSALVO, ITZIAR. CCS and NH₃ Emission Associated with Low-Mass Young Stellar Objects. *Itziar de Gregorio-Monsalvo, José F. Gómez, Olga Suárez, Thomas B. H. Kuiper, Luis F. Rodríguez, and Elena Jiménez-Bailón.* 642, 319 (2006)
- DE GRIS, RICHARD. See MUNO, MICHAEL P., et al. Diffuse, Nonthermal X-Ray Emission from the Galactic Star Cluster Westerlund 1. 650, 203 (2006)
- See MUNO, MICHAEL P., et al. A Neutron Star with a Massive Progenitor in Westerlund 1. 636, L41 (2006)
- DEGUCHI, SHUJI. See NAKASHIMA, JUN-ICHI, et al. SiO Masers in a Scutum Massive Star Cluster of Red Supergiants. 647, L139 (2006)
- DE HAAS, ERNST. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- DE JAGER, O. C. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
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- See KASSIN, SUSAN A., et al. Dark and Baryonic Matter in Bright Spiral Galaxies. II. Radial Distributions for 34 Galaxies. 643, 804 (2006)
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- DELAHAYE, FRANCK. The Solar Heavy-Element Abundances. I. Constraints from Stellar Interiors. *Franck Delahaye and M. H. Pinsonneault.* 649, 529 (2006)
- DELANEY, T. Time Variability in the X-Ray Nebula Powered by Pulsar B1509-58. *T. Delaney, B. M. Gaensler, J. Aros, and M. J. Pivovarov.* 640, 929 (2006)
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- DELGADO, A. J. Multiwavelength Analysis of the Young Open Cluster NGC 2362. *A. J. Delgado, O. González-Martín, E. J. Alfaro, and J. Yun.* 646, 269 (2006)
- DELIYANNIS, C. P. See AOKI, W., et al. HE 1327-2326, an Unevolved Star with $[\text{Fe}/\text{H}] < -5.0$. I. A Comprehensive Abundance Analysis. 639, 897 (2006)
- DELLA CECIA, R. See RISALITI, G., et al. The Double Active Galactic Nucleus in NGC 6240 Revealed through 3-5 μm Spectroscopy. 637, L17 (2006)
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- DELLA VALLE, M. Hypernova Signatures in the Late Rebrightening of GRB 050525A. *M. Della Valle, D. Malesani, J. S. Bloom, S. Benetti, G. Chincarini, P. D'Avanzo, R. J. Foley, S. Covino, A. Melandri, S. Piranomonte, G. Tagliaferri, L. Stella, R. Gilmozzi, L. A. Antonelli, S. Campana, H.-W. Chen, P. Fillard, F. Fiore, D. Fugazza, N. Gehrels, K. Hurley, I. F. Mirabel, L. J. Pells, L. Piro, and J. X. Prochaska.* 642, L103 (2006)
- DELLA VALLE, MASSIMO. See MAZZALI, PAOLO A., et al. Models for the Type Ic Hypernova SN 2003lw associated with GRB 031203. 645, 1323 (2006)
- See QUINN, JASON L., et al. A Light Echo from Type Ia SN 1995E? 652, 512 (2006)

- DELLO RUSSO, NEIL. See KAWAKITA, HIDEYO, et al. Ortho-to-Para Ratios of Water and Ammonia in Comet C/2001 Q4 (NEAT): Comparison of Nuclear Spin Temperatures of Water, Ammonia, and Methane. 643, 1337 (2006)
- See BONEV, BONCHO P., et al. A Comprehensive Study of Infrared OH Prompt Emission in Two Comets. I. Observations and Effective g -Factors. 653, 774 (2006)
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- DENEALT, ETHAN A.-N. Growth of Carbon Grains in Supernova Ejecta. *Ethan A.-N. Deneault, Donald D. Clayton, and Bradley S. Meyer*. 638, 234 (2006)
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- See LORIMER, D. R., et al. Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. 640, 428 (2006)
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- DENG, J. See MAEDA, K., et al. Nebular Spectra of SN 1998bw Revisited: Detailed Study by One- and Two-dimensional Models. 640, 854 (2006)
- DENG, JINSONG. See TOMITA, HIROYUKI, et al. The Optical/Near-Infrared Light Curves of SN 2002ap for the First 1.5 Years after Discovery. 644, 400 (2006)

- See MAZZALI, PAOLO A., et al. Models for the Type Ic Hypernova SN 2003lw associated with GRB 031203. 645, 1323 (2006)
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- DENG, L. C. See LIANG, Y. C., et al. The Oxygen Abundance Calibrations and N/O Abundance Ratios of ~40,000 SDSS Star-forming Galaxies. 652, 257 (2006)
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- Multiwavelength Study of Flow Fields in Flaring Super Active Region NOAA 10486. *Na Deng, Yan Xu, Guo Yang, Wenda Cao, Chang Liu, Thomas R. Rimmele, Haimin Wang, and Carsten Denker*. 644, 1278 (2006)
- DENG, W. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- DENG, Y. Y. See SU, J. T., et al. The Influence of Faraday Rotation on the Vertical Electric Current Density. 649, L141 (2006)
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- DEN HARTOG, E. A. See LAWLER, J. E., et al. Improved Laboratory Transition Probabilities for Sm II and Application to the Samarium Abundances of the Sun and Three *r*-Process-rich, Metal-poor Stars. 162, 227 (2006)
- Improved Laboratory Transition Probabilities for Gd II and Application to the Gadolinium Abundances of the Sun and Three *r*-Process Rich, Metal-poor Stars. *E. A. Den Hartog, J. E. Lawler, C. Sneden, and J. J. Cowan*. 167, 292 (2006)
- DEN HARTOG, P. R. See KUIPER, L., et al. Discovery of Luminous Pulsed Hard X-Ray Emission from Anomalous X-Ray Pulsars 1RXS J1708-4009, 4U 0142+61, and 1E 2259+586 by INTEGRAL and RXTE. 645, 556 (2006)
- DENISSEKOV, PAVEL A. From Canonical to Enhanced Extra Mixing in Low-Mass Red Giants: Tidally Locked Binaries. *Pavel A. Denissenkov, Brian Chaboyer, and Ke Li*. 641, 1087 (2006)
- Fluorine Abundance Variations as a Signature of Enhanced Extra Mixing in Red Giants of the Globular Cluster M4. *Pavel A. Denissenkov, Marc Pinsonneault, and Donald M. Terndrup*. 651, 438 (2006)
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- DENNIS, B. R. See PHILLIPS, K. J. H., et al. RHESSI Observations of the Solar Flare Iron-Line Feature at 6.7 keV. 647, 1480 (2006)
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- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
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- DE PATER, IMKE. See REMUAN, ANTHONY J., et al. A BIMA Array Survey of Molecules in Comets LINEAR (C/2002 T7) and NEAT (C/2001 Q4). 643, 276 (2006)
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- DEPEW, KYLE. Astromineralogy of the 13 μ m Feature in the Spectra of Oxygen-rich Asymptotic Giant Branch Stars. I. Corundum and Spinel. *Kyle DePew, Angela Speck, and Catharinus Dijkstra*. 640, 971 (2006)
- DE PLAA, J. See NUCITA, A. A., et al. An XMM-Newton Search for X-Ray Emission from the Microlensing Event MACHO-96-BLG-5. 651, 1092 (2006)
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- See HANSTEEN, V. H., et al. Dynamic Fibrils Are Driven by Magnetoacoustic Shocks. 647, L73 (2006)
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- Short Gamma-Ray Bursts. *Charles D. Dermer and Armen Atoyan*. 643, L13 (2006)
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- DEROSA, M. L. See HANASOGE, S. M., et al. Computational Acoustics in Spherical Geometry: Steps toward Validating Heliogeismology. 648, 1268 (2006)
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- DE RÚJULA, A. See DADO, SHLOMO, et al. On the “Canonical Behavior” of the X-Ray Afterglows of Gamma-Ray Bursts Observed with *Swift*’s XRT. 646, L21 (2006)
- DESAI, M. I. Heavy-Ion Elemental Abundances in Large Solar Energetic Particle Events and Their Implications for the Seed Population. *M. I. Desai, G. M. Mason, R. E. Gold, S. M. Krimigis, C. M. S. Cohen, R. A. Mewaldt, J. E. Mazur, and J. R. Dwyer*. 649, 470 (2006)
- Solar Cycle Variations in the Composition of the Suprathermal Heavy-Ion Population near 1 AU. *M. I. Desai, G. M. Mason, J. E. Mazur, and J. R. Dwyer*. 645, L81 (2006)
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- IRS Spectra of Two Ultraluminous Infrared Galaxies at $z = 1.3$. *V. Desai, L. Armus, B. T. Soifer, D. W. Weedman, S. Higdon, C. Bian, C. Borys, H. W. W. Spoon, V. Charmandaris, K. Brand, M. J. I. Brown, A. Dey, J. Higdon, J. Houck, B. T. Jannuzi, E. Le Floc’h, M. L. N. Ashby, and H. A. Smith*. 641, 133 (2006)
- See BRAND, K., et al. The Active Galactic Nuclei Contribution to the Mid-Infrared Emission of Luminous Infrared Galaxies. 644, 143 (2006)
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- DESAI, VANDANA. See POGGIANTI, BIANCA M., et al. The Evolution of the Star Formation Activity in Galaxies and Its Dependence on Environment. 642, 188 (2006)
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- See LORIMER, D. R., et al. Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. 640, 428 (2006)
- See RAMACHANDRAN, R., et al. Intrinsic Short-Timescale Variability in W3(OH) Hydroxyl Masers. 653, 1314 (2006)
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- DESROCHES, LOUIS-BENOIT. See PETERSON, BRADLEY M., et al. Erratum: “Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. I. A Reverberation-based Measurement of the Black Hole Mass” (ApJ, 632, 799 [2005]). 641, 638 (2006)
- See O’NEILL, PAUL M., et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. II. X-Ray and Ultraviolet Continuum Variability. 645, 160 (2006)
- Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. III. Optical Variability and X-Ray/UV/Optical Correlations. *Louis-Benoit Desroches, Alexei V. Filippenko, Shai Kaspi, Ari Laor, Dan Maoz, Mohan Ganeshalingam, Weidong Li, Edward C. Moran, Brandon Swift, Misty C. Bentz, Luis C. Ho, Kirpal Nandra, Paul M. O’Neill, and Bradley M. Peterson*. 650, 88 (2006)
- DESSERT, L. See BURROWS, A., et al. A New Mechanism for Core-Collapse Supernova Explosions. 640, 878 (2006)
- Multidimensional Simulations of the Accretion-induced Collapse of White Dwarfs to Neutron Stars. *L. Dessart, A. Burrows, C. D. Ott, E. Livne, S.-Y. Yoon, and N. Langer*. 644, 1063 (2006)
- Multidimensional Radiation/Hydrodynamic Simulations of Proto-Neutron Star Convection. *L. Dessart, A. Burrows, E. Livne, and C. D. Ott*. 645, 534 (2006)
- DESSAUGES-ZAVADSKY, MIROSLAVA. Temporal Variation in the Abundance of Excited Fe⁺ Near a Gamma-Ray Burst Afterglow. *Miroslava Dessauges-Zavadsky, Hsiao-Wen Chen, Jason X. Prochaska, Joshua S. Bloom, and Aaron J. Barth*. 648, L89 (2006)
- See PROCHTER, GABRIEL E., et al. On the Incidence of Strong Mg II Absorbers along Gamma-Ray Burst Sight Lines. 648, L93 (2006)
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- DE TROIA, G. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- DETWILER, J. See AHARMIM, B., et al. A Search for Neutrinos from the Solar hep Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- GRB 060121: Implications of a Short-/Intermediate-Duration γ -Ray Burst at High Redshift. *A. de Ugarte Postigo, A. J. Castro-Tirado, S. Gazi, J. Gorosabel, G. Jóhannesson, M. A. Aloy, S. McBreen, D. Q. Lamb, N. Benitez, M. Jelinek, S. B. Pandey, D. Coe, M. D. Pérez-Ramírez, F. J. Aceituno, M. Alises, J. A. Acosta-Pulido, G. Gómez, R. López, T. Q. Donaghy, Y. E. Nakagawa, T. Sakamoto, G. R. Ricker, F. R. Hearty, M. Bayliss, G. Gyuk, and D. G. York*. 648, L83 (2006)
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- DEUTSCH, LYNNE K. See KASSIS, MARC, et al. Mid-Infrared Emission at Photodissociation Regions in the Orion Nebula. 637, 823 (2006)
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- DEVOR, JONATHAN. MECI: A Method for Eclipsing Component Identification. *Jonathan Devor and David Charbonneau*. 653, 647 (2006)
- DEVORE, C. RICHARD. See AULANIER, GUILLAUME, et al. Solar Prominence Merging. 646, 1349 (2006)
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- See ARMUS, L., et al. Detection of the Buried Active Galactic Nucleus in NGC 6240 with the Infrared Spectrograph on the *Spitzer Space Telescope*. 640, 204 (2006)
- See BRANDL, B. R., et al. The Mid-Infrared Properties of Starburst Galaxies from *Spitzer*-IRS Spectroscopy. 653, 1129 (2006)
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- DEWANGAN, G. C. Quasi-periodic Oscillations and Strongly Comptonized X-Ray Emission from Holmberg IX X-1. *G. C. Dewangan, R. E. Griffiths, and A. R. Rao*. 641, L125 (2006)
- DEWANGAN, GULAB C. Black Hole Mass of the Ultraluminous X-Ray Source

- M82 X-1. Gulab C. Devangan, Lev Titarchuk, and Richard E. Griffiths. 637, L21 (2006)
- DEWEY, D. See LAZENDIC, J. S., et al. The Kinematic and Plasma Properties of X-Ray Knots in Cassiopeia A from the *Chandra* HETGS. 651, 250 (2006)
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- See DESAI, V., et al. IRS Spectra of Two Ultraluminous Infrared Galaxies at $z = 1.3$. 641, 133 (2006)
- See BRAND, K., et al. The Active Galactic Nuclei Contribution to the Mid-Infrared Emission of Luminous Infrared Galaxies. 644, 143 (2006)
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- See BRODWIN, M., et al. Photometric Redshifts in the IRAC Shallow Survey. 651, 791 (2006)
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- DÍAZ, A. J. Fast Magnetohydrodynamic Oscillations in Coronal Loops with Heating Profiles. A. J. Díaz, R. Oliver, and J. L. Ballester. 645, 766 (2006)
- DÍAZ, RUBÉN J. Hidden Trigger for the Giant Starburst Arc in M83? *Rubén J. Díaz, Horacio Dottori, Maria P. Aguero, Evencio Mediavilla, Irapuan Rodrigues, and Damian Mast*. 652, 1122 (2006)
- DIAZ-FRAILE, D. See WATSON, D., et al. A $\log N_{\text{H}} = 22.6$ Damped Ly α Absorber in a Dark Gamma-Ray Burst: The Environment of GRB 050401. 652, 1011 (2006)
- DÍAZ-SANTOS, TANIO. See ALONSO-HERRERO, ALMUDENA, et al. High Spatial Resolution T-ReCS Mid-Infrared Imaging of Luminous Infrared Galaxies. 652, L83 (2006)
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- DICKEL, H. R. See REMJAN, ANTHONY J., et al. A BIMA Array Survey of Molecules in Comets LINEAR (C/2002 T7) and NEAT (C/2001 Q4). 643, 567 (2006)
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- An Upper Limit on Anomalous Dust Emission at 31 GHz in the Diffuse Cloud [LPH96] 201.663+1.643. C. Dickinson, S. Casassus, J. L. Pineda, T. J. Pearson, A. C. S. Readhead, and R. D. Davies. 643, L111 (2006)
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- DI FOLCO, E. See AUFDENBERG, J. P., et al. First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star. 645, 664 (2006)
- See AUFDENBERG, J. P., et al. Erratum: "First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star" (ApJ, 645, 664 [2006]). 651, 617 (2006)
- DI FRANCESCO, J. See KLAASSEN, P. D., et al. The Possibly Remnant Massive Outflow in G5.89-0.39. I. Observations and Initial Magnetohydrodynamic Simulations. 648, 1079 (2006)
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- DIGBY, ANDREW P. The Challenges of Coronagraphic Astrometry. *Andrew P. Digby, Sasha Hinkley, Ben. R. Oppenheimer, Anand Sivaramakrishnan, James P. Lloyd, Marshall D. Perrin, Lewis C. Roberts, Jr., Rémi Soummer, Douglas Brenner, Russell B. Makidon, Michael Shara, Jeffrey Kuhn, James Graham, Paul Kalas, and Laura Newburgh.* 650, 484 (2006)
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- See SPECK, ANGELA K., et al. The Unusual *Spitzer* Spectrum of the Carbon Star IRAS 04496-6958: A Different Condensation Sequence in the LMC? 650, 892 (2006)
- See THOMPSON, GRANT D., et al. Challenging the Carbon Star Dust Condensation Sequence: Anarchist C Stars. 652, 1654 (2006)
- DIJKSTRA, MARK. Ly α Radiation from Collapsing Protogalaxies. I. Characteristics of the Emergent Spectrum. *Mark Dijkstra, Zoltán Haiman, and Marco Spaans.* 649, 14 (2006)
- Ly α Radiation from Collapsing Protogalaxies. II. Observational Evidence for Gas Infall. *Mark Dijkstra, Zoltán Haiman, and Marco Spaans.* 649, 37 (2006)
- DIKPATI, MAUSUMI. Penetration of Dynamo-generated Magnetic Fields into the Sun's Radiative Interior. *Mausumi Dikpati, Peter A. Gilman, and Keith B. MacGregor.* 638, 564 (2006)
- Simulating and Predicting Solar Cycles Using a Flux-Transport Dynamo. *Mausumi Dikpati and Peter A. Gilman.* 649, 498 (2006)
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- See COX, T. J., et al. The Kinematic Structure of Merger Remnants. 650, 791 (2006)
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- DING, G. Q. Evolution of Hard X-Ray Spectra along the Orbital Phase in Circinus X-1. *G. Q. Ding, S. N. Zhang, T. P. Li, and J. L. Qu.* 645, 576 (2006)
- DING, GUO QIANG. See CHEN, XIE, et al. Propeller-driven Spectral State Transition in the Low-Mass X-Ray Binary 4U 1608-52. 650, 299 (2006)
- DING, HONGBIN. See MAIER, JOHN P., et al. The Gas Phase Spectrum of Cyclic C₁₈ and the Diffuse Interstellar Bands. 640, 369 (2006)
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- See FANG, C., et al. Spectral Analysis of Ellerman Bombs. 643, 1325 (2006)
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- A Hard X-Ray View of Scorpius X-1 with *INTEGRAL*: Nonthermal Emission? *T. Di Salvo, P. Goldoni, L. Stella, M. van der Klis, A. Bazzano, L. Burderi, R. Farinelli, F. Frontera, G. L. Israel, M. Méndez, I. F. Mirabel, N. R. Robba, P. Sizin, P. Ubertini, and W. H. G. Lewin.* 649, L91 (2006)
- See BURDERI, L., et al. Order in the Chaos: Spin-up and Spin-down during the 2002 Outburst of SAX J1808.4-3658. 653, L133 (2006)
- DISANTI, M. A. Detection of Formaldehyde Emission in Comet C/2002 T7 (LINEAR) at Infrared Wavelengths: Line-by-Line Validation of Modeled Fluorescent Intensities. *M. A. DiSanti, B. P. Bonev, K. Magee-Sauer, N. Dello Russo, M. J. Mumma, D. C. Reuter, and G. L. Villanueva.* 650, 470 (2006)
- DISANTI, MICHAEL A. See BONEV, BONCHO P., et al. A Comprehensive Study of Infrared OH Prompt Emission in Two Comets. I. Observations and Effective *g*-Factors. 653, 774 (2006)
- See VILLANUEVA, GERONIMO L., et al. The Volatile Composition of the Split Ecliptic comet 73P/Schwassmann-Wachmann 3: A Comparison of Fragments C and B. 650, L87 (2006)
- DI SERGIO ALIGHIERI, SPERELLO. The Influence of Mass and Environment on the Evolution of Early-Type Galaxies. *Sperello di Serego Alighieri, Barbara Lanzoni, and Inger Jorgensen.* 647, L99 (2006)
- Erratum: "The Influence of Mass and Environment on the Evolution of Early-Type Galaxies" (ApJ, 647, L99 [2006]). *Sperello di Serego Alighieri, Barbara Lanzoni, and Inger Jorgensen.* 652, L145 (2006)
- DI STEFANO, G. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
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- DIANNATI-ATAI, A. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
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- DOBLER, WOLFGANG. Magnetic Field Generation in Fully Convective Rotating Spheres. *Wolfgang Dobler, Michael Stix, and Axel Brandenburg.* 638, 336 (2006)
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- DOCOCO, JOSÉ A. A Methodology for the Description of Multiple Stellar Systems with Spectroscopic Subcomponents. *José A. Docobo and Manuel Andrade.* 652, 681 (2006)
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- DOMÍNGUEZ CERDEÑA, I. Quiet Sun Magnetic Fields from Simultaneous Inversions of Visible and Infrared Spectropolarimetric Observations. *I. Domínguez Cerdeña, J. Sánchez Almeida, and F. Kneer*. 646, 1421 (2006)
- DOMÍNGUEZ-TENREIRO, R. The Lack of Structural and Dynamical Evolution of Elliptical Galaxies since $z \sim 1.5$: Clues from Self-Consistent Hydrodynamic Simulations. *R. Domínguez-Tenreiro, J. Oñorbe, A. Sáiz, H. Artal, and A. Serna*. 636, L77 (2006)
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- DONOVAN, JENNIFER L. Exploring High-Velocity $\text{NH}_3(6, 6)$ Emission at the Center of Our Galaxy. *Jennifer L. Donovan, Robeson M. Herrstein, and Paul T. P. Ho*. 647, 1159 (2006)
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- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
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- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
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- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
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- See MUNO, MICHAEL P., et al. A Neutron Star with a Massive Progenitor in Westerlund 1. 636, L41 (2006)
- DOWELL, C. D. See BORYS, C., et al. MIPS J142824.0+352619: A Hyperluminous Starburst Galaxy at $z = 1.325$. 636, 134 (2006)
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- See ENGELBRACHT, C. W., et al. Extended Mid-Infrared Aromatic Feature Emission in M82. 642, L127 (2006)
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- DRÖGE, W. Acceleration and Transport Modeling of Solar Energetic Particle Charge States for the Event of 1998 September 9. W. Dröge, Y. Y. Kartavykh, B. Klecker, and G. M. Mason. 645, 1516 (2006)
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- DUNCAN, F. A. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- DUNHAM, EDWARD W. See O'DONOVAN, FRANCIS T., et al. Rejecting Astrophysical False Positives from the TrES Transiting Planet Survey: The Example of GSC 03885–00829. 644, 1237 (2006)
- See O'DONOVAN, FRANCIS T., et al. TrES-2: The First Transiting Planet in the *Kepler* Field. 651, L61 (2006)
- DUNHAM, MICHAEL M. The *Spitzer* c2d Survey of Nearby Dense Cores. I. First Direct Detection of the Embedded Source in IRAM 04191+1522. Michael M. Dunham, Neal J. Evans II, Tyler L. Bourke, Cornelis P. Dullemond, Chadwick H. Young, Timothy Y. Brooke, Nicholas Chapman, Philip C. Myers, Alicia Porras, William Spiesman, Peter J. Teuben, and Zahed Wahhaj. 651, 945 (2006)
- See BOURKE, TYLER L., et al. The *Spitzer* c2d Survey of Nearby Dense Cores. II. Discovery of a Low-Luminosity Object in the "Evolved Starless Core" L1521F. 649, L37 (2006)
- DUNLOP, J. S. See CAPUTI, K. I., et al. Linking Stellar Mass and Star Formation in *Spitzer* MIPS 24 μm Galaxies. 637, 727 (2006)
- See IONO, D., et al. Interferometric 890 μm Images of High-Redshift Submillimeter Galaxies. 640, L1 (2006)

- DUNMORE, J. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- DUNMORE, J. A. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- DUPKE, RENATO A. Direct Measurements of Gas Bulk Flows in the Intracluster Medium of the Centaurus Cluster with the *Chandra* Satellite. Renato A. Dupke and Joel N. Bregman. 639, 781 (2006)
- DU PLESSIS, ANTON. Accurate Laboratory Wavelengths of the $A^1\Pi(v' = 0-5)-X^1\Sigma^+(v'' = 0)$ Vibronic Bands of $^{12}\text{C}^{18}\text{O}$ and $^{12}\text{C}^{16}\text{O}$. Anton du Plessis, Erich G. Rohwer, and Christine M. Steenkamp. 165, 432 (2006)
- DUPREE, A. K. See PROCHASKA, J. X., et al. The Galaxy Hosts and Large-Scale Environments of Short-Hard Gamma-Ray Bursts. 642, 989 (2006)
- See YOUNG, P. R., et al. High-Ionization Forbidden Lines in the UV Spectrum of AG Draconis. 650, 1091 (2006)
- See VAN DEN BERG, M., et al. ChaMPane Discovery of Candidate Symbiotic Binaries in Baade's and Stanek's Windows. 647, L135 (2006)
- DUPREE, ANDREA K. See PROCHTER, GABRIEL E., et al. On the Incidence of Strong Mg II Absorbers along Gamma-Ray Burst Sight Lines. 648, L93 (2006)
- DUPUIS, JEAN. See VENNES, STÉPHANE, et al. Iron in Hot DA White Dwarfs. 652, 1554 (2006)
- DURÁN, MARÍA FERNANDA. See GAWISER, ERIC, et al. The Multiwavelength Survey by Yale-Chile (MUSYC): Survey Design and Deep Public *UBVR_I* Images and Catalogs of the Extended Hubble Deep Field-South. 162, 1 (2006)
- DURANT, MARTIN. The Infrared Counterpart to the Magnetar 1RXS J170849.0-400910. Martin Durant and Marten H. van Kerkwijk. 648, 534 (2006)
- Distances to Anomalous X-Ray Pulsars Using Red Clump Stars. Martin Durant and Marten H. van Kerkwijk. 650, 1070 (2006)
- Extinction Columns and Intrinsic X-Ray Spectra of the Anomalous X-Ray Pulsars. Martin Durant and Marten H. van Kerkwijk. 650, 1082 (2006)
- Multiwavelength Variability of the Magnetar 4U 0142+61. Martin Durant and Marten H. van Kerkwijk. 652, 576 (2006)
- DURISEN, R. H. See BOLEY, A. C., et al. Hydraulic/Shock Jumps in Protoplanetary Disks. 641, 534 (2006)
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- See CAI, KAI, et al. The Effects of Metallicity and Grain Size on Gravitational Instabilities in Protoplanetary Disks. 636, L149 (2006)
- See CAI, KAI, et al. Erratum: "The Effects of Metallicity and Grain Size on Gravitational Instabilities in Protoplanetary Disks" (ApJ 636, L149 [2006]). 642, L173 (2006)
- DURSI, L. JONATHAN. Local Ignition in Carbon-Oxygen White Dwarfs. I. One-Zone Ignition and Spherical Shock Ignition of Detonations. L. Jonathan Dursi and F. X. Timmes. 641, 1071 (2006)
- DUSCHL, WOLFGANG J. A Gravitational Instability-driven Viscosity in Self-gravitating Accretion Disks. Wolfgang J. Duschl and Markward Britsch. 653, L89 (2006)
- DUTTA, SUVENDRA N. See COX, T. J., et al. The Kinematic Structure of Merger Remnants. 650, 791 (2006)
- DUVALL, JR., T. L. See RAJAGURU, S. P., et al. Sensitivity of Time-Distance Helioseismic Measurements to Spatial Variation of Oscillation Amplitudes. I. Observations and a Numerical Model. 646, 543 (2006)
- Direct Measurement of Travel-Time Kernels for Helioseismology. T. L. Duvall, Jr., A. C. Birch, and L. Gizon. 646, 553 (2006)
- See HANASOGE, S. M., et al. Computational Acoustics in Spherical Geometry: Steps toward Validating Helioseismology. 648, 1268 (2006)
- DWARAKANATH, K. S. Limits on the AGN Activities in X-Ray-underluminous Galaxy Groups. K. S. Dwarkanath and Biman B. Nath. 653, L9 (2006)
- DWARKADAS, VIKRAM V. See VIJH, UMA P., et al. Optical Emission Band Morphologies of the Red Rectangle. 653, 1336 (2006)
- DWEK, ELI. See BOUCHET, PATRICE, et al. SN 1987A after 18 Years: Mid-Infrared Gemini and *Spitzer* Observations of the Remnant. 650, 212 (2006)
- DWYER, J. R. See DESAI, M. I., et al. Heavy-Ion Elemental Abundances in Large Solar Energetic Particle Events and Their Implications for the Seed Population. 649, 470 (2006)
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- DWYER, MAUREEN. See NUTH, JOSEPH A., III, et al. A Mechanism for the Equilibrium Growth of Mineral Crystals in AGB Stars and Red Giants on 10^5 yr Timescales. 644, 1164 (2006)
- DYE, S. An Investigation of the Submillimeter Background Radiation Using SCUBA and *Spitzer*. S. Dye, S. A. Eales, M. L. N. Ashby, J.-S. Huang, T. M. A. Webb, P. Barmby, S. Lilly, M. Brodwin, H. McCracken, E. Egami, and G. G. Fazio. 644, 769 (2006)
- See ASHBY, M. L. N., et al. Mid-Infrared Identifications of SCUBA Galaxies in the CUDSS 14 Hour Field with the *Spitzer Space Telescope*. 644, 778 (2006)
- DYKS, JAROSLAW. See ZHANG, BING, et al. Physical Processes Shaping Gamma-Ray Burst X-Ray Afterglow Light Curves: Theoretical Implications from the *Swift* X-Ray Telescope Observations. 642, 354 (2006)
- EALLES, S. See ASHBY, M. L. N., et al. Mid-Infrared Identifications of SCUBA Galaxies in the CUDSS 14 Hour Field with the *Spitzer Space Telescope*. 644, 778 (2006)
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- EBISAWA, KEN. See KOTANI, TARO, et al. Erratum: "ASCA Observations of the Absorption Line Features from the Superaluminous Jet Source GRS 1915+105" (ApJ, 539, 413 [2000]). 651, 615 (2006)
- See OKAJIMA, TAKASHI, et al. A Stellar-Mass Black Hole in the Ultraluminous X-Ray Source M82 X-1? 652, L105 (2006)
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- See GILLESSEN, S., et al. Variations in the Spectral Slope of Sagittarius A* during a Near-Infrared Flare. 640, L163 (2006)
- ECKART, MEGAN E. The Serendipitous Extragalactic X-Ray Source Identification (SEXSI) Program. III. Optical Spectroscopy. Megan E. Eckart, Daniel Stern, David J. Helfand, Fiona A. Harrison, Peter H. Mao, and Sarah A. Yost. 165, 19 (2006)
- EDELSTEIN, J. The "Spectroscopy of Plasma Evolution from Astrophysical Radiation" Mission. J. Edelstein, K.-W. Min, W. Han, E. J. Korpela, K. Nishikida, B. Y. Welsh, C. Heiles, J. Adolfo, M. Bowen, W. M. Feuerstein, K. McKee, J.-T. Lim, K. Ryu, J.-H. Shinn, U.-W. Nam, J.-H. Park, I.-S. Yuk, H. Jin, K.-I. Seon, D.-H. Lee, and E. Sim. 644, L153 (2006)
- The SPEAR Instrument and On-Orbit Performance. J. Edelstein, E. J. Korpela, J. Adolfo, M. Bowen, M. Feuerstein, J. Hull, S. Jelinsky, K. Nishikida, K. McKee, P. Berg, R. Chung, J. Fischer, K.-W. Min, S.-H. Oh, J.-G. Rhee, K. Ryu, J.-H. Shinn, W. Han, H. Jin, D.-H. Lee, U.-W. Nam, J.-H. Park, K.-I. Seon, and I.-S. Yuk. 644, L159 (2006)
- See KREGENOW, J., et al. Far-Ultraviolet Observations of a Thermal Interface in the Orion-Eridanus Superbubble. 644, L167 (2006)
- See NISHIKIDA, K., et al. Far-Ultraviolet Spectral Images of the Vela Supernova Remnant. 644, L171 (2006)
- See SEON, K.-I., et al. Far-Ultraviolet Spectral Images of the Cygnus Loop. 644, L175 (2006)
- See LEE, D.-H., et al. Diffuse Far-Ultraviolet Observations of the Taurus Region. 644, L181 (2006)
- See RYU, K., et al. Molecular Hydrogen Fluorescence in the Eridanus Superbubble. 644, L185 (2006)
- See SHINN, J.-H., et al. Diffuse Far-Ultraviolet Observations of the Lupus Loop Region. 644, L189 (2006)

- EDELSTEIN, JERRY. See KORPELA, ERIC J., et al. Far-Ultraviolet Observations of the North Ecliptic Pole with SPEAR. 644, L163 (2006)
- EDGAR, RICHARD J. See SASAKI, MANAMI, et al. Far-Ultraviolet and X-Ray Observations of the Reverse Shock in the Small Magellanic Cloud Supernova Remnant 1E 0102.2-7219. 642, 260 (2006)
- EDGE, A. C. See GEACH, J. E., et al. A Panoramic Mid-Infrared Survey of Two Distant Clusters. 649, 661 (2006)
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- See PINER, B. G., et al. The Fastest Relativistic Jets: VLBA Observations of Blazars with Apparent Speeds Exceeding 25c. 640, 196 (2006)
- See ENOMOTO, R., et al. CANGAROO III Observations of the Supernova Remnant RX J0852.0-4622. 652, 1268 (2006)
- EDWARDS, PHILIP G. See KATAOKA, JUN, et al. The X-Ray Jet in Centaurus A: Clues to the Jet Structure and Particle Acceleration. 641, 158 (2006)
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- EDWARDS, SUZAN. Probing T Tauri Accretion and Outflow with 1 Micron Spectroscopy. *Suzan Edwards, William Fischer, Lynne Hillenbrand, and John Kwan*. 646, 319 (2006)
- EFTATHIOU, ANDREAS. See POLLETTA, MARIA DEL CARMEN, et al. *Chandra* and *Spitzer* Unveil Heavily Obscured Quasars in the *Chandra*/SWIRE Survey. 642, 673 (2006)
- EGAMI, E. See PAPOVICH, C., et al. *Spitzer* Observations of Massive, Red Galaxies at High Redshift. 640, 92 (2006)
- See ALONSO-HERRERO, A., et al. Infrared Power-Law Galaxies in the *Chandra* Deep Field-South: Active Galactic Nuclei and Ultraluminous Infrared Galaxies. 640, 167 (2006)
- See BARMBY, P., et al. Mid-Infrared Properties of X-Ray Sources in the Extended Groth Strip. 642, 126 (2006)
- See LAURENT, G. T., et al. The Bolocam 1.1 mm Lockman Hole Galaxy Survey: SHARC II 350 μ m Photometry and Implications for Spectral Models, Dust Temperatures, and Redshift Estimation. 643, 38 (2006)
- See DYE, S., et al. An Investigation of the Submillimeter Background Radiation Using SCUBA and *Spitzer*. 644, 769 (2006)
- See ASHBY, M. L. N., et al. Mid-Infrared Identifications of SCUBA Galaxies in the CUDSS 14 Hour Field with the *Spitzer* Space Telescope. 644, 778 (2006)
- Spitzer* Observations of the Brightest Galaxies in X-Ray-Luminous Clusters. E. Egami, K. A. Misselt, G. H. Rieke, M. W. Wise, G. Neugebauer, J.-P. Kneib, E. Le Floc'h, G. P. Smith, M. Blaylock, H. Dole, D. T. Frayer, J.-S. Huang, O. Krause, C. Papovich, P. G. Pérez-González, and J. R. Rigby. 647, 922 (2006)
- See RIGIPOULOU, D., et al. *Spitzer* Observations of $z \sim 3$ Lyman Break Galaxies: Stellar Masses and Mid-Infrared Properties. 648, 81 (2006)
- A Large Mass of H_2 in the Brightest Cluster Galaxy in Zwicky 3146. E. Egami, G. H. Rieke, D. Fadda, and D. C. Hines. 652, L21 (2006)
- EGAMI, EIICHI. See SMITH, GRAHAM P., et al. Optical and Infrared Nondetection of the $z = 10$ Galaxy behind Abell 1835. 636, 575 (2006)
- See WEBB, TRACY M. A., et al. Star Formation in Distant Red Galaxies: *Spitzer* Observations in the Hubble Deep Field-South. 636, L17 (2006)
- EGAN, M. P. See SLOAN, G. C., et al. Mid-Infrared Spectroscopy of Carbon Stars in the Small Magellanic Cloud. 645, 1118 (2006)
- EGAN, MICHAEL P. See KRAEMER, KATHLEEN E., et al. A Post-AGB Star in the Small Magellanic Cloud Observed with the *Spitzer* Infrared Spectrograph. 652, L25 (2006)
- EGGENBERGER, PATRICK. See BEDDING, TIMOTHY R., et al. Solar-like Oscillations in the Metal-poor Subgiant ν Indi: Constraining the Mass and Age Using Asteroseismology. 647, 558 (2006)
- EGGLETON, PETER P. See DEARBORN, DAVID S. P., et al. Three-dimensional Numerical Experimentation on the Core Helium Flash of Low-Mass Red Giants. 639, 405 (2006)
- EGUSA, FUMI. See NAKANISHI, HIROYUKI, et al. Environmental Effects on Gaseous Disks of the Virgo Spiral Galaxies. 651, 804 (2006)
- EHRENFREUND, PASCALE. See SOFIA, ULYSSES J., et al. Probing the Dust Responsible for Small Magellanic Cloud Extinction. 636, 753 (2006)
- EHRENREICH, DAVID. On the Possible Properties of Small and Cold Extrasolar Planets: Is OGLE 2005-BLG-390Lb Entirely Frozen? *David Ehrenreich, Alain Lecavelier des Etangs, Jean-Philippe Beaulieu, and Olivier Grasset*. 651, 535 (2006)
- EICHLER, D. See GRANOT, J., et al. Diagnosing the Outflow from the SGR 1806-20 Giant Flare with Radio Observations. 638, 391 (2006)
- EICHLER, DAVID. See LYUBARSKY, YURI, et al. Are Gamma-Ray Burst Shocks Mediated by the Weibel Instability? 647, 1250 (2006)
- The Case for Anisotropic Afterglow Efficiency within Gamma-Ray Burst Jets. *David Eichler and Jonathan Granot*. 641, L5 (2006)
- Are the Radiative Properties of Long Gamma-Ray Bursts Universal? *David Eichler and Amir Levinson*. 649, L5 (2006)
- EIDELBERG, M. Oscillator Strengths and Predissociation Rates for Rydberg Transitions in $^{12}\text{C}^{18}\text{O}$, $^{13}\text{C}^{18}\text{O}$, and $^{13}\text{C}^{16}\text{O}$ Involving the $E' \Pi$, $B' \Sigma^+$, and $W' \Pi$ States. *M. Eidelberg, Y. Sheffer, S. R. Federman, J. L. Lemaire, J. H. Fillion, F. Rostas, and J. Ruiz*. 647, 1543 (2006)
- EIKENBERRY, STEPHEN S. See MIKLES, VALERIE J., et al. Does Low-Frequency X-Ray QPO Behavior in GRS 1915+105 Influence Subsequent X-Ray and Infrared Evolution? 637, 978 (2006)
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- EISENHARDT, P. See BORYS, C., et al. MIPS J142824.0+352619: A Hyperluminous Starburst Galaxy at $z = 1.325$. 636, 134 (2006)
- See MEI, S., et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Blue Early-Type Galaxies and Red Pairs in RDCS J0910+5422. 639, 81 (2006)
- See PAPOVICH, C., et al. *Spitzer* Observations of Massive, Red Galaxies at High Redshift. 640, 92 (2006)
- See BRAND, K., et al. The Active Galactic Nuclei Contribution to the Mid-Infrared Emission of Luminous Infrared Galaxies. 644, 143 (2006)
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- EISENHARDT, PETER R. See SMITH, GRAHAM P., et al. Optical and Infrared Nondetection of the $z = 10$ Galaxy behind Abell 1835. 636, 575 (2006)
- See ELSTON, RICHARD J., et al. The FLAMINGOS Extragalactic Survey. 639, 816 (2006)
- EISENHARDT, PETER R. M. See YAN, HAOJING, et al. The Stellar Masses and Star Formation Histories of Galaxies at $z \approx 6$: Constraints from *Spitzer* Observations in the Great Observatories Origins Deep Survey. 651, 24 (2006)
- See BUNDY, KEVIN, et al. The Mass Assembly History of Field Galaxies: Detection of an Evolving Mass Limit for Star-Forming Galaxies. 651, 120 (2006)
- EISENHARTER, F. See PAUMARD, T., et al. The Two Young Star Disks in the Central Parsec of the Galaxy: Properties, Dynamics, and Formation. 643, 1011 (2006)
- See FÖRSTER SCHREIBER, N. M., et al. SINFONI Integral Field Spectroscopy of $z \sim 2$ UV-selected Galaxies: Rotation Curves and Dynamical Evolution. 645, 1062 (2006)
- See DAVIES, R. I., et al. The Star-forming Torus and Stellar Dynamical Black Hole Mass in the Seyfert 1 Nucleus of NGC 3227. 646, 754 (2006)
- See NESVADBA, N. P. H., et al. Lyman Break Galaxies under a Microscope: The Small-Scale Dynamics and Mass of an Arc in the Cluster 1E 0657-56. 650, 661 (2006)
- See NESVADBA, N. P. H., et al. Extreme Gas Kinematics in the $z = 2.2$ Powerful Radio Galaxy MRC 1138-262: Evidence for Efficient Active Galactic Nucleus Feedback in the Early Universe? 650, 693 (2006)
- See GILLESSEN, S., et al. Variations in the Spectral Slope of Sagittarius A* during a Near-Infrared Flare. 640, L163 (2006)
- See MARTINS, F., et al. GCIRS 16SW: A Massive Eclipsing Binary in the Galactic Center. 649, L103 (2006)
- EISENHARTER, FRANK. See BELOBORODOV, ANDREI M., et al. Clockwise Stellar Disk and the Dark Mass in the Galactic Center. 648, 405 (2006)
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- EISENSTEIN, D. J. See BRODWIN, M., et al. Photometric Redshifts in the IRAC Shallow Survey. 651, 791 (2006)
- EISENSTEIN, DANIEL. See BLANTON, MICHAEL R., et al. The Scale Dependence of Relative Galaxy Bias: Encouragement for the "Halo Model" Description. 645, 977 (2006)
- See THOMPSON, RODGER I., et al. Star Formation History of the Hubble Ultra Deep Field: Comparison with the Hubble Deep Field-North. 647, 787 (2006)
- EISENSTEIN, DANIEL E. See OTA, NAOMI, et al. *Chandra* Observations of SDSS J1004+4112: Constraints on the Lensing Cluster and Anomalous X-Ray Flux Ratios of the Quadruply Imaged Quasar. 647, 215 (2006)

- EISENSTEIN, DANIEL J. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- A Catalog of Spectroscopically Confirmed White Dwarfs from the Sloan Digital Sky Survey Data Release 4. *Daniel J. Eisenstein, James Liebert, Hugh C. Harris, S. J. Kleinman, Atsuko Nitta, Nicole Silvestri, Scott A. Anderson, J. C. Barentine, Howard J. Brewington, J. Brinkmann, Michael Harvanek, Jurek Krziesinski, Eric H. Neilsen, Jr., Dan Long, Donald P. Schneider, and Stephanie A. Snedden.* 167, 40 (2006)
- See YANG, YUJIN, et al. Probing Galaxy Formation with He II Cooling Lines. 640, 539 (2006)
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- Spatially Resolving the Inner Disk of TW Hydrae. *J. A. Eisner, E. I. Chiang, and L. A. Hillenbrand.* 637, L133 (2006)
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- ELIASDÖTTIR, Á. Extinction Curves of Lensing Galaxies out to $z = 1$. *Á. Eliasdóttir, J. Hjorth, S. Toft, I. Burud, and D. Paraficz.* 166, 443 (2006)
- ELICHE-MORAL, M. CARMEN. GOYA Survey: *U* and *B* Number Counts in the Groth-Westphal Strip. *M. Carmen Eliche-Moral, Marc Balcells, Mercedes Prieto, César E. García-Dabó, Peter Erwin, and David Cristóbal-Hornillos.* 639, 644 (2006)
- ELITZUR, M. See MASON, R. E., et al. Spatially Resolved Mid-Infrared Spectroscopy of NGC 1068: The Nature and Distribution of the Nuclear Material. 640, 612 (2006)
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- The AGN-obscuring Torus: The End of the "Doughnut" Paradigm? *Moshe Elitzur and Isaac Shlosman.* 648, L101 (2006)
- ELLINGSEN, S. P. Methanol Masers: Reliable Tracers of the Early Stages of High-Mass Star Formation. *S. P. Ellingsen.* 638, 241 (2006)
- ELLINGSON, E. See HICKS, A. K., et al. Multiwavelength Mass Comparisons of the $z \sim 0.3$ CNO Cluster Sample. 652, 232 (2006)
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- ELLIOT, J. L. See KERN, S. D., et al. The Frequency of Binary Kuiper Belt Objects. 643, L57 (2006)
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- ELLIS, R. S. See SULLIVAN, M., et al. Rates and Properties of Type Ia Supernovae as a Function of Mass and Star Formation in Their Host Galaxies. 648, 868 (2006)
- See GEACH, J. E., et al. A Panoramic Mid-Infrared Survey of Two Distant Clusters. 649, 661 (2006)
- ELLIS, RICHARD. See NUGENT, PETER, et al. Toward a Cosmological Hubble Diagram for Type II-P Supernovae. 645, 841 (2006)
- ELLIS, RICHARD S. See BUNDY, KEVIN, et al. The Mass Assembly History of Field Galaxies: Detection of an Evolving Mass Limit for Star-Forming Galaxies. 651, 120 (2006)
- See BONEV, BONCHO P., et al. A Comprehensive Study of Infrared OH Prompt Emission in Two Comets. I. Observations and Effective *g*-Factors. 653, 774 (2006)
- See MORAN, SEAN M., et al. *GALEX* Observations of "Passive Spirals" in the Cluster Cl 0024+17: Clues to the Formation of S0 Galaxies. 641, L97 (2006)
- ELLIS, S. C. See MAUGHAN, B. J., et al. *XMM-Newton* Observes Cl J0152.7-1357: A Massive Galaxy Cluster Forming at Merger Crossroads at $z = 0.83$. 640, 219 (2006)
- ELLISON, DONALD C. See VLADIMIROV, ANDREY, et al. Nonlinear Diffusive Shock Acceleration with Magnetic Field Amplification. 652, 1246 (2006)
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- ELLSWORTH, R. W. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- ELMEGREEN, BRUCE G. See HUNTER, DEIDRE A., et al. Broadband Imaging of a Large Sample of Irregular Galaxies. 162, 49 (2006)
- The Effect of Star Formation History on the Inferred Stellar Initial Mass Function. *Bruce G. Elmegreen and John Scalo.* 636, 149 (2006)
- Radial Profiles of Star Formation in the Far Outer Regions of Galaxy Disks. *Bruce G. Elmegreen and Deidre A. Hunter.* 636, 712 (2006)
- See ELMEGREEN, DEBRA MELOY, et al. *Spitzer Space Telescope* IRAC and MIPS Observations of the Interacting Galaxies IC 2163 and NGC 2207: Clumpy Emission. 642, 158 (2006)
- Hierarchical Star Formation in the Spiral Galaxy NGC 628. *Bruce G. Elmegreen, Debra Meloy Elmegreen, Rupali Chandar, Brad Whitmore, and Michael Regan.* 644, 879 (2006)
- On the Similarity between Cluster and Galactic Stellar Initial Mass Functions. *Bruce G. Elmegreen.* 648, 572 (2006)
- Observations of Thick Disks in the *Hubble Space Telescope* Ultra Deep Field. *Bruce G. Elmegreen and Debra Meloy Elmegreen.* 650, 644 (2006)
- See ELMEGREEN, DEBRA MELOY, et al. Rings and Bent Chain Galaxies in the GEMS and GOODS Fields. 651, 676 (2006)
- ELMEGREEN, DEBRA MELOY. *Spitzer Space Telescope* IRAC and MIPS Observations of the Interacting Galaxies IC 2163 and NGC 2207: Clumpy Emission. *Debra Meloy Elmegreen, Bruce G. Elmegreen, Michele Kaufman, Kartik Sheth, Curtis Struck, Magnus Thomasson, and Elias Brinks.* 642, 158 (2006)
- See ELMEGREEN, BRUCE G., et al. Hierarchical Star Formation in the Spiral Galaxy NGC 628. 644, 879 (2006)
- See ELMEGREEN, BRUCE G., et al. Observations of Thick Disks in the *Hubble Space Telescope* Ultra Deep Field. 650, 644 (2006)
- Rings and Bent Chain Galaxies in the GEMS and GOODS Fields. *Debra Meloy Elmegreen and Bruce G. Elmegreen.* 651, 676 (2006)
- ELSNER, RONALD F. See WEISSKOPF, MARTIN C., et al. The First *Chandra* Field. 637, 682 (2006)
- See WEISSKOPF, MARTIN C., et al. A Search for the X-Ray Counterpart of the Unidentified γ -Ray Source 3EG J2020+4017 (2CG078+2). 652, 387 (2006)
- ELSTON, R. J. See BRODWIN, M., et al. Photometric Redshifts in the IRAC Shallow Survey. 651, 791 (2006)
- ELSTON, RICHARD J. The FLAMINGOS Extragalactic Survey. *Richard J. Elston, Anthony H. Gonzalez, Eric McKenzie, Mark Brodwin, Michael J. I. Brown, Gustavo Cardona, Arjun Dey, Mark Dickinson, Peter R. Eisenhardt, Buell T. Jannuzi, Yen-Ting Lin, Joseph J. Mohr, S. Nicholas Rines, S. A. Stanford, and Daniel Stern.* 639, 816 (2006)
- See LEVINE, JOANNA L., et al. Low-Mass Stars and Brown Dwarfs in NGC 2024: Constraints on the Substellar Mass Function. 646, 1215 (2006)
- ELSWORTH, Y. See VERNER, G. A., et al. The Detectability of Signatures of Rapid Variation in Low-Degree Stellar *p*-Mode Oscillation Frequencies. 638, 440 (2006)
- See VERNER, G. A., et al. BiSON Data Show Change in Solar Structure with Magnetic Activity. 640, L95 (2006)
- ELVIS, M. See SORIA, R., et al. Accretion and Nuclear Activity of Quiescent Supermassive Black Holes. I. X-Ray Study. 640, 126 (2006)
- See SORIA, R., et al. Accretion and Nuclear Activity of Quiescent Supermassive Black Holes. II. Optical Study and Interpretation. 640, 143 (2006)
- See IONO, D., et al. Interferometric 890 μ m Images of High-Redshift Submillimeter Galaxies. 640, L1 (2006)
- ELVIS, MARTIN. See WILLIAMS, RIK J., et al. *XMM-Newton* View of the $z > 0$ Warm-Hot Intergalactic Medium toward Markarian 421. 642, L95 (2006)
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- EMERY, J. P. See STANSBERRY, J. A., et al. The Albedo, Size, and Density of Binary Kuiper Belt Object (47171) 1999 TC₃₆. 643, 556 (2006)
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- EMSELLEM, ERIC. See SCHINNERER, EVA, et al. Molecular Gas Dynamics in

- NGC 6946: A Bar-driven Nuclear Starburst "Caught in the Act". 649, 181 (2006)
- EMSLIE, A. GORDON. See XU, YAN, et al. High-Resolution Observations of Multiwavelength Emissions during Two X-Class White-Light Flares. 641, 1210 (2006)
- See BROWN, JOHN C., et al. Evaluation of Algorithms for Reconstructing Electron Spectra from Their Bremsstrahlung Hard X-Ray Spectra. 643, 523 (2006)
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- Exploring the Frequency of Close-in Jovian Planets around M Dwarfs. Michael Endl, William D. Cochran, Martin Kürster, Diane B. Paulson, Robert A. Wittenmyer, Phillip J. MacQueen, and Robert G. Tull. 649, 436 (2006)
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- ENGELBRACHT, C. W. See BUCKALEW, BRENT A., et al. Understanding Radio-selected Thermal Sources in M33: Ultraviolet, Optical, Near-Infrared, *Spitzer* Mid-Infrared, and Radio Observations. 162, 329 (2006)
- See MURPHY, E. J., et al. An Initial Look at the Far-Infrared-Radio Correlation within Nearby Star-forming Galaxies Using the *Spitzer Space Telescope*. 638, 157 (2006)
- See DALE, D. A., et al. Mid-Infrared Spectral Diagnostics of Nuclear and Extranuclear Regions in Nearby Galaxies. 646, 161 (2006)
- See ROUSSEL, H., et al. The Opaque Nascent Starburst in NGC 1377: *Spitzer* SINGS Observations. 646, 841 (2006)
- See MARLEAU, F. R., et al. Mapping and Mass Measurement of the Cold Dust in NGC 205 with *Spitzer*. 646, 929 (2006)
- See GORDON, K. D., et al. *Spitzer* MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure. 638, L87 (2006)
- Extended Mid-Infrared Aromatic Feature Emission in M82. C. W. Engelbracht, P. Kundurthy, K. D. Gordon, G. H. Rieke, R. C. Kennicutt, J.-D. T. Smith, M. W. Regan, D. Makovoz, M. Soxey, B. T. Draine, G. Helou, L. Armus, D. Calzetti, M. Meyer, G. J. Bendo, F. Walter, D. Hollenbach, J. M. Cannon, E. J. Murphy, D. A. Dale, B. A. Buckalew, and K. Sheth. 642, L127 (2006)
- See BARMBY, P., et al. Dusty Waves on a Starry Sea: The Mid-Infrared View of M31. 650, L45 (2006)
- See MURPHY, E. J., et al. The Effect of Star Formation on the Far-Infrared-Radio Correlation within Galaxies. 651, L111 (2006)
- ENGELBRACHT, CHARLES W. See THOMPSON, RODGER I., et al. Delayed Photoionization Feedback in a Super Star Cluster in SBS 0335-052E. 638, 176 (2006)
- See BENDO, GEORGE J., et al. *Spitzer* and JCMT Observations of the Active Galactic Nucleus in the Sombrero Galaxy (NGC 4594). 645, 134 (2006)
- See CANNON, JOHN M., et al. Warm Dust and Spatially Variable Polycyclic Aromatic Hydrocarbon Emission in the Dwarf Starburst Galaxy NGC 1705. 647, 293 (2006)
- See PÉREZ-GONZÁLEZ, PABLO G., et al. Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031). 648, 987 (2006)
- See BENDO, GEORGE J., et al. The Spectral Energy Distribution of Dust Emission in the Edge-on Spiral Galaxy NGC 4631 as Seen with *Spitzer* and the James Clerk Maxwell Telescope. 652, 283 (2006)
- See REGAN, MICHAEL W., et al. The Radial Distribution of the Interstellar Medium in Disk Galaxies: Evidence for Secular Evolution. 652, 1112 (2006)
- See CANNON, JOHN M., et al. The Nature of Infrared Emission in the Local Group Dwarf Galaxy NGC 6822 as Revealed by *Spitzer*. 652, 1170 (2006)
- See PÉREZ-GONZÁLEZ, PABLO G., et al. Erratum: "Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031)" (ApJ, 648, 987 [2006]). 653, 812 (2006)
- ENGELHORN, KYLE. See MEYER, DAVID M., et al. A Cold Nearby Cloud inside the Local Bubble. 650, L67 (2006)
- ENNIS, JESSICA A. *Spitzer* IRAC Images and Sample Spectra of Cassiopeia A's Explosion. Jessica A. Ennis, Lawrence Rudnick, William T. Reach, J. D. Smith, Jeonghee Rho, Tracey DeLaney, Haley Gomez, and Takashi Kozasa. 652, 376 (2006)
- ENOCH, MELISSA L. Bolocam Survey for 1.1 mm Dust Continuum Emission in the e2d Legacy Clouds. I. Perseus. Melissa L. Enoch, Kaisa E. Young, Jason Glenn, Neal J. Evans, II, Sunil Golwala, Anneila I. Sargent, Paul Harvey, James Aguirre, Alexey Goldin, Douglas Haig, Tracy L. Huard, Andrew Lange, Glenn Laurent, Philip Maloney, Philip Maukopf, Philippe Rossinot, and Jack Sayers. 638, 293 (2006)
- See YOUNG, KAISA E., et al. Bolocam Survey for 1.1 mm Dust Continuum Emission in the e2d Legacy Clouds. II. Ophiuchus. 644, 326 (2006)
- ENOMOTO, R. A Search for Sub-TeV Gamma Rays from the Vela Pulsar Region with CANGAROO-III. R. Enomoto, K. Tsuchiya, Y. Adachi, S. Kabuki, P. G. Edwards, A. Asahara, G. V. Bicknell, R. W. Clay, Y. Doi, S. Gunji, S. Hara, T. Hara, T. Hattori, Sei. Hayashi, Y. Higashi, R. Inoue, C. Itoh, F. Kajino, H. Katagiri, A. Kawachi, S. Kawasaki, T. Kifune, R. Kiuchi, K. Konno, L. T. Ksenofontov, H. Kubo, J. Kushida, Y. Matsubara, Y. Mizumoto, M. Mori, H. Muraishi, Y. Muraki, T. Naito, T. Nakamori, D. Nishida, K. Nishijima, M. Ohishi, J. R. Patterson, R. J. Protheroe, Y. Sakamoto, M. Sato, S. Suzuki, T. Suzuki, D. L. Swaby, T. Tanimori, H. Tanimura, G. J. Thornton, S. Watanabe, T. Yamaoka, M. Yamazaki, S. Yanagita, T. Yoshida, T. Yoshikoshi, M. Yuasa, and Y. Yukawa. 638, 397 (2006)
- CANGAROO III Observations of the Supernova Remnant RX J0852.0-4622. R. Enomoto, S. Watanabe, T. Tanimori, A. Asahara, G. V. Bicknell, R. W. Clay, P. G. Edwards, S. Gunji, S. Hara, T. Hattori, S. Hayashi, Y. Higashi, R. Inoue, C. Itoh, S. Kabuki, F. Kajino, H. Katagiri, A. Kawachi, S. Kawasaki, T. Kifune, R. Kiuchi, K. Konno, L. Ksenofontov, H. Kubo, J. Kushida, Y. Matsubara, T. Mizukami, R. Mizuniwa, M. Mori, H. Muraishi, T. Naito, T. Nakamori, D. Nishida, K. Nishijima, M. Ohishi, Y. Sakamoto, V. Stamatescu, S. Suzuki, T. Suzuki, D. L. Swaby, H. Tanimura, G. Thornton, F. Tokanai, K. Tsuchiya, Y. Yamada, M. Yamazaki, S. Yanagita, T. Yoshida, T. Yoshikoshi, M. Yuasa, and Y. Yukawa. 652, 1268 (2006)
- ENOTO, T. See TERADA, Y., et al. Cyclotron Resonance Energies at a Low X-Ray Luminosity: A0535+262 Observed with *Suzaku*. 648, L139 (2006)
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- See TOMITA, HIROYUKI, et al. The Optical/Near-Infrared Light Curves of SN 2002ap for the First 1.5 Years after Discovery. 644, 400 (2006)
- See MINEZAKI, TAKEO, et al. First Detection of Near-Infrared Intraday Variations in the Seyfert 1 Nucleus NGC 4395. 643, L5 (2006)
- See TOMITA, HIROYUKI, et al. Multiple Regression Analysis of the Variable Component in the Near-Infrared Region for Type 1 AGN MCG +08-11-011. 652, L13 (2006)
- See WINN, JOSHUA N., et al. Measurement of the Spin-Orbit Alignment in the Exoplanetary System HD 189733. 653, L69 (2006)
- ERACLEOUS, MICHAEL. See LEWIS, KAREN T., et al. Black Hole Masses of Active Galaxies with Double-peaked Balmer Emission Lines. 642, 711 (2006)
- See NEMMEN, RODRIGO S., et al. Radiatively Inefficient Accretion Flow in the Nucleus of NGC 1097. 643, 652 (2006)
- See FLOHIC, HÉLÈNE M. L. G., et al. The Central Engines of 19 LINERs as Viewed by *Chandra*. 647, 140 (2006)
- See STRATEVA, ISKRA V., et al. The X-Ray Properties of Active Galactic Nuclei with Double-peaked Balmer Lines. 651, 749 (2006)
- ERB, D. K. See FÖRSTER SCHREIBER, N. M., et al. SINFONI Integral Field Spectroscopy of $z \sim 2$ UV-selected Galaxies: Rotation Curves and Dynamical Evolution. 645, 1062 (2006)
- ERB, DAWN K. See REDDY, NAVEEN A., et al. Star Formation and Extinction in Redshift $z \sim 2$ Galaxies: Inferences from *Spitzer* MIPS Observations. 644, 792 (2006)
- The Mass-Metallicity Relation at $z \gtrsim 2$. Dawn K. Erb, Alice E. Shapley, Max Pettini, Charles C. Steidel, Naveen A. Reddy, and Kurt L. Adelberger. 644, 813 (2006)
- The Stellar, Gas, and Dynamical Masses of Star-forming Galaxies at $z \sim 2$. Dawn K. Erb, Charles C. Steidel, Alice E. Shapley, Max Pettini, Naveen A. Reddy, and Kurt L. Adelberger. 646, 107 (2006)
- H α Observations of a Large Sample of Galaxies at $z \sim 2$: Implications for Star Formation in High-Redshift Galaxies. Dawn K. Erb, Charles C. Steidel, Alice E. Shapley, Max Pettini, Naveen A. Reddy, and Kurt L. Adelberger. 647, 128 (2006)
- See SHAPLEY, ALICE E., et al. The Direct Detection of Lyman Continuum Emission from Star-forming Galaxies at $z \sim 3$. 651, 688 (2006)
- See REDDY, NAVEEN A., et al. A Spectroscopic Survey of Redshift $1.4 \leq z \leq 3.0$ Galaxies in the GOODS-North Field: Survey Description, Catalogs, and Properties. 653, 1004 (2006)

- ERDÉLYI, R. See SHELYAG, S., et al. Forward Modeling of Acoustic Wave Propagation in the Quiet Solar Subphotosphere. 651, 576 (2006)
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- ERICKSON, EDWIN F. See RUDOLPH, ALEXANDER L., et al. Abundance Gradients in the Galaxy. 162, 346 (2006)
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- ERIGUCHI, YOSHIHARU. See YOSHIDA, SHIJUN, et al. Equilibrium Configurations of Magnetized Rotating Polytropes: Effects of Strong Toroidal Magnetic Fields in Addition to Poloidal Magnetic Fields. 164, 156 (2006)
- See YOSHIDA, SHIJUN, et al. Twisted-Torus Equilibrium Structures of Magnetic Fields in Magnetized Stars. 651, 462 (2006)
- ERIKSEN, H. K. Cosmic Microwave Background Component Separation by Parameter Estimation. H. K. Eriksen, C. Dickinson, C. R. Lawrence, C. Baccigalupi, A. J. Banday, K. M. Górski, F. K. Hansen, P. B. Lilje, E. Pierpaoli, M. D. Seiffert, K. M. Smith, and K. Vanderlinde. 641, 665 (2006)
- See JAFFE, T. R., et al. Fast and Efficient Template Fitting of Deterministic Anisotropic Cosmological Models Applied to WMAP Data. 643, 616 (2006)
- See HANSEN, F. K., et al. Foreground Subtraction of Cosmic Microwave Background Maps Using WI-FIT (Wavelet-Based High-Resolution Fitting of Internal Templates). 648, 784 (2006)
- See HUFFENBERGER, K. M., et al. Point-Source Power in 3 Year Wilkinson Microwave Anisotropy Probe Data. 651, L81 (2006)
- ERIKSEN, KRISTOFFER A. See YOUNG, PATRICK A., et al. Constraints on the Progenitor of Cassiopeia A. 640, 891 (2006)
- ERIKSSON, K. See AOKI, W., et al. HE 1327–2326, an Unevolved Star with $[\text{Fe}/\text{H}] < -5.0$. I. A Comprehensive Abundance Analysis. 639, 897 (2006)
- See RYDE, N., et al. Water Vapor on Supergiants: The 12 μm TEXES Spectra of μ Cephei. 645, 652 (2006)
- ERIKSSON, S. See GOSLING, J. T., et al. Petschek-Type Reconnection Exhausts in the Solar Wind Well beyond 1 AU: *Ulysses*. 644, 613 (2006)
- ERLUND, M. C. See BLUNDELL, KATHERINE M., et al. Discovery of the Low-Energy Cutoff in a Powerful Giant Radio Galaxy. 644, L13 (2006)
- EROS-2 COLLABORATION, THE SEE ASSEF, R. J., et al. Removing the Microlensing Blending-Parallax Degeneracy Using Source Variability. 649, 954 (2006)
- ERRANDO, M. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- ERREA, L. F. See BARRAGÁN, P., et al. Calculation of Rate Coefficients for Electron Capture in Collisions of O^{2+} and N^{2+} Ions with H. 636, 544 (2006)
- ERTAN, Ü. X-Ray and Infrared Enhancement of Anomalous X-Ray Pulsar 1E 2259+586. Ü. Ertan, E. Göğüş, and M. A. Alpar. 640, 435 (2006)
- Optical and Infrared Emission from the Anomalous X-Ray Pulsars and Soft Gamma-Ray Repeaters. Ü. Ertan and Ş. Çalışkan. 649, L87 (2006)
- ERWIN, PETER. See ÉLICHE-MORAL, M. CARMEN, et al. GOYA Survey: *U* and *B* Number Counts in the Groth-Westphal Strip. 639, 644 (2006)
- ESCALA, ANDRÉS. On the Fueling of Massive Black Holes and the Properties of Their Host Spheroids. Andrés Escala. 648, L13 (2006)
- ESPEY, B. R. See SOKOLOSKI, J. L., et al. A "Combination Nova" Outburst in Z Andromedae: Nuclear Shell Burning Triggered by a Disk Instability. 636, 1002 (2006)
- See YOUNG, P. R., et al. High-Ionization Forbidden Lines in the UV Spectrum of AG Draconis. 650, 1091 (2006)
- ESPIGAT, P. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- ESPINOSA, J. M. RODRÍGUEZ. See RAMOS ALMEIDA, C., et al. The Narrow-Line Region of the Seyfert 2 Galaxy Mrk 78: An Infrared View. 645, 148 (2006)
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- ESQUERDO, GILBERT A. See CHARBONNEAU, DAVID, et al. Transit Photometry of the Core-dominated Planet HD 149026b. 636, 445 (2006)
- See O'DONOVAN, FRANCIS T., et al. Rejecting Astrophysical False Positives from the TrES Transiting Planet Survey: The Example of GSC 03885–00829. 644, 1237 (2006)
- See HOLMAN, MATTHEW J., et al. The Transit Light Curve Project. I. Four Consecutive Transits of the Exoplanet XO-1b. 652, 1715 (2006)
- See O'DONOVAN, FRANCIS T., et al. TrES-2: The First Transiting Planet in the Kepler Field. 651, L61 (2006)
- ESQUIVEL, ALEJANDRO. Magnetohydrodynamic Turbulent Mixing Layers: Equilibrium Cooling Models. Alejandro Esquivel, Robert A. Benjamin, Alex Lazarian, Jungyeon Cho, and Samuel N. Leitner. 648, 1043 (2006)
- ESTALELLA, R. See PALAU, A., et al. Submillimeter Emission from the Hot Molecular Jet HH 211. 636, L137 (2006)
- ETOKA, S. See MATSUURA, M., et al. The Compact Circumstellar Material around OH 231.8+4.2. 646, L123 (2006)
- ETTORI, S. See MEL, S., et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Blue Early-Type Galaxies and Red Pairs in RDCS J0910+5422. 639, 81 (2006)
- EVANS, A. See LYNCH, D. K., et al. Early Infrared Spectral Development of V1187 Scorpii (Nova Scorpii 2004 No. 2). 638, 987 (2006)
- See BODE, M. F., et al. Swift Observations of the 2006 Outburst of the Recurrent Nova RS Ophiuchi. I. Early X-Ray Emission from the Shocked Ejecta and Red Giant Wind. 652, 629 (2006)
- EVANS, D. A. Chandra and XMM-Newton Observations of a Sample of Low-Redshift FR I and FR II Radio Galaxy Nuclei. D. A. Evans, D. M. Worrall, M. J. Hardcastle, R. P. Kraft, and M. Birkinshaw. 642, 96 (2006)
- EVANS, DANIEL A. The Chandra, Hubble Space Telescope, and VLA View of the Circumnuclear Extended Emission in the Narrow Emission Line Galaxy NGC 2110. Daniel A. Evans, Julia C. Lee, Maria Kamenetska, Sarah C. Gallagher, Ralph P. Kraft, Martin J. Hardcastle, and Kimberly A. Weaver. 653, 1121 (2006)
- EVANS, H. C. See AHARIMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- EVANS, MICHAEL L. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- EVANS, N. J., II. See LAHUIS, F., et al. Hot Organic Molecules toward a Young Low-Mass Star: A Look at Inner Disk Chemistry. 636, L145 (2006)
- EVANS, N. W. See FELLHAUER, M., et al. The Origin of the Bifurcation in the Sagittarius Stream. 651, 167 (2006)
- See BELOKUROV, V., et al. The Discovery of Tidal Tails around the Globular Cluster NGC 5466. 637, L29 (2006)
- See WYSE, ROSEMARY F. G., et al. Further Evidence of a Merger Origin for the Thick Disk: Galactic Stars along Lines of Sight to Dwarf Spheroidal Galaxies. 639, L13 (2006)
- See BELOKUROV, V., et al. The Field of Streams: Sagittarius and Its Siblings. 642, L137 (2006)
- See ZUCKER, D. B., et al. A New Milky Way Dwarf Satellite in Canes Venatici. 643, L103 (2006)
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- Revealing the Nature of the Core and Its Embedded Source. 640, 391 (2006)
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- See BOURKE, TYLER L., et al. The *Spitzer* c2d Survey of Nearby Dense Cores. II. Discovery of a Low-Luminosity Object in the “Evolved Starless Core” L1521F. 649, L37 (2006)
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- EXPÓSITO, J. P. FONFRÍA. High- J $v = 0$ SiS Maser Emission in IRC +10216: A New Case of Infrared Overlaps. J. P. Fonfría Expósito, M. Agúndez, B. Tercero, J. R. Pardo, and J. Cernicharo. 646, L127 (2006)
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- EZOE, Y. Investigation of Diffuse Hard X-Ray Emission from the Massive Star-forming Region NGC 6334. Y. Ezoe, M. Kokubun, K. Makishima, Y. Sekimoto, and K. Matsuzaki. 638, 860 (2006)
- The Discovery of Diffuse X-Ray Emission in NGC 2024, One of the Nearest Massive Star-forming Regions. Y. Ezoe, M. Kokubun, K. Makishima, Y. Sekimoto, and K. Matsuzaki. 649, L123 (2006)
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- See ZEAS, A., et al. *Chandra* Monitoring Observations of The Antennae Galaxies. I. Catalog of Source Properties. 166, 211 (2006)
- See BALDI, A., et al. Chemical Enrichment of the Complex Hot ISM of the Antennae Galaxies. II. Physical Properties of the Hot Gas and Supernova Feedback. 636, 158 (2006)
- See SORIA, R., et al. Accretion and Nuclear Activity of Quiescent Supermassive Black Holes. I. X-Ray Study. 640, 126 (2006)
- See SORIA, R., et al. Accretion and Nuclear Activity of Quiescent Supermassive Black Holes. II. Optical Study and Interpretation. 640, 143 (2006)
- The Modulated Emission of the Ultraluminous X-Ray Source in NGC 3379. G. Fabbiano, D.-W. Kim, T. Fragos, V. Kalogera, A. R. King, L. Angelini, R. L. Davies, J. S. Gallagher, S. Pellegrini, G. Trinchieri, S. E. Zepf, and A. Zezas. 650, 879 (2006)
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- See COIL, ALISON L., et al. The DEEP2 Galaxy Redshift Survey: Clustering of Galaxies as a Function of Luminosity at $z = 1$. 644, 671 (2006)
- See WILLMER, C. N. A., et al. The Deep Evolutionary Exploratory Probe 2 Galaxy Redshift Survey: The Galaxy Luminosity Function to $z \sim 1$. 647, 853 (2006)
- See YAN, RENBIN, et al. On the Origin of [O II] Emission in Red-Sequence and Poststarburst Galaxies. 648, 281 (2006)
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- See WEINER, BENJAMIN J., et al. A Survey of Galaxy Kinematics to $z \sim 1$ in the TKRS/GOODS-N Field. II. Evolution in the Tully-Fisher Relation. 653, 1049 (2006)
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- Analysis of Type Ia Supernovae with CMAGIC: Using Color Information to Verify the Acceleration of the Universe. 644, 1 (2006)
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- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
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- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- FAJARDO-ACOSTA, S. B. See INGALLS, JAMES G., et al. Erratum: "Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey" (ApJS, 154, 281 [2004]). 164, 306 (2006)
- FALCKE, HEINO. See MACQUART, JEAN-PIERRE, et al. The Rotation Measure and 3.5 Millimeter Polarization of Sagittarius A*. 646, L111 (2006)
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- See KOCHANKE, C. S., et al. The Time Delays of Gravitational Lens HE 0435-1223: An Early-Type Galaxy with a Rising Rotation Curve. 640, 47 (2006)
- See ZURITA, C., et al. The 2005 Outburst of the Halo Black Hole X-Ray Transient XTE J1118+480. 644, 432 (2006)
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- See MORGAN, CHRISTOPHER W., et al. Microlensing of the Lensed Quasar SDSS 0924+0219. 647, 874 (2006)
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- See O'BRIEN, P. T., et al. The Early X-Ray Emission from GRBs. 647, 1213 (2006)
- FALCONE, A. D. The Giant X-Ray Flare of GRB 050502B: Evidence for Late-Time Internal Engine Activity. A. D. Falcone, D. N. Burrows, D. Lazzati, S. Campana, S. Kobayashi, B. Zhang, P. Mészáros, K. L. Page, J. A. Kennea, P. Romano, C. Pagani, L. Angelini, A. P. Beardmore, M. Capalbi, G. Chincarini, G. Cusumano, P. Giommi, M. R. Goad, O. Godet, D. Grupe, J. E. Hill, V. La Parola, V. Mangano, A. Moretti, J. A. Nousek, P. T. O'Brien, J. P. Osborne, M. Perri, G. Tagliaferri, A. A. Wells, and N. Gehrels. 641, 1010 (2006)
- See NOUSEK, J. A., et al. Evidence for a Canonical Gamma-Ray Burst Afterglow Light Curve in the *Swift* XRT Data. 642, 389 (2006)
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- FALCONER, D. A. Magnetic Causes of Solar Coronal Mass Ejections: Dominance of the Free Magnetic Energy over the Magnetic Twist Alone. D. A. Falconer, R. L. Moore, and G. A. Gary. 644, 1258 (2006)
- FALL, S. MICHAEL. See RAVINDRANATH, SWARA, et al. The Morphological Diversities among Star-forming Galaxies at High Redshifts in the Great Observatories Origins Deep Survey. 652, 963 (2006)
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- FALLSCHEER, CASSANDRA. Testing the Disk-locking Paradigm: An Association between $U - V$ Excess and Rotation in NGC 2264. Cassandra Fallscheer and William Herbst. 647, L155 (2006)
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- On the Nature of the X-Ray Bright Core in a Stable Filament Channel. Y. Fan and S. E. Gibson. 641, L149 (2006)
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- FAN, Z.-H. See WANG, Y.-G., et al. Systematic Errors in the Determination of Hubble Constant due to the Asphericity and Nonisothermality of Clusters of Galaxies. 643, 630 (2006)
- FAN, ZHONGHUI. A Test of External Compton Models for Gamma-Ray Active Galactic Nuclei. Zhonghui Fan, Xinwu Cao, and Minfeng Gu. 646, 8 (2006)
- FANG, C. Spectral Analysis of Ellerman Bombs. C. Fang, Y. H. Tang, Z. Xu, M. D. Ding, and P. F. Chen. 643, 1325 (2006)
- See SONG, M. T., et al. A New and Fast Way to Reconstruct a Nonlinear Force-free Field in the Solar Corona. 649, 1084 (2006)
- See XU, Z., et al. First Results of Mg I ($3p^1P_1-4d^1D_2$) Line Linear Impact Polarization during the Solar Flare on 2001 June 15. 650, 1193 (2006)

- FANG, F. See FARRAH, D., et al. The Spatial Clustering of Ultraluminous Infrared Galaxies over $1.5 < z < 3$. 641, L17 (2006)
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- FANG, FAN. See POLLETTA, MARIA DEL CARMEN, et al. *Chandra* and *Spitzer* Unveil Heavily Obscured Quasars in the *Chandra*/SWIRE Survey. 642, 673 (2006)
- Information of Structures in Galaxy Distribution. *Fan Fang*. 644, 678 (2006)
- FANG, J. Full Electromagnetic Cascades in Spin-powered Pulsars. *J. Fang and L. Zhang*. 653, 573 (2006)
- FANG, LI-ZHI. See KIM, BRYAN, et al. Addendum: "The Velocity Field of Baryonic Gas in the Universe" (ApJ, 625, 599 [2005]). 639, 571 (2006)
- See ZHANG, TONG-JIE, et al. X-Ray Emission of Baryonic Gas in the Universe: Luminosity-Temperature Relationship and Soft-Band Background. 642, 625 (2006)
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- See CEN, RENYUE, et al. Where Are the Baryons? III. Nonequilibrium Effects and Observables. 650, 573 (2006)
- FARIHI, J. White Dwarf–Red Dwarf Systems Resolved with the *Hubble Space Telescope*. I. First Results. *J. Farihi, D. W. Hoard, and S. Wachter*. 646, 480 (2006)
- See SONG, INSEOK, et al. *HST* NICMOS Imaging of the Planetary-mass Companion to the Young Brown Dwarf 2MASSW J1207334–393254. 652, 724 (2006)
- FARINE, J. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- The Spatial Clustering of Ultraluminous Infrared Galaxies over $1.5 < z < 3$. *D. Farrah, C. J. Lonsdale, C. Borys, F. Fang, I. Waddington, S. Oliver, M. Rowan-Robinson, T. Babbedge, D. Shupe, M. Polletta, H. E. Smith, and J. Surace*. 641, L17 (2006)
- Erratum: "The Spatial Clustering of Ultraluminous Infrared Galaxies over $1.5 < z < 3$ " (ApJ 641, L17 [2006]). *D. Farrah, C. J. Lonsdale, C. Borys, F. Fang, I. Waddington, S. Oliver, M. Rowan-Robinson, T. Babbedge, D. Shupe, M. Polletta, H. E. Smith, and J. Surace*. 643, L139 (2006)
- FARRAH, DUNCAN. See POLLETTA, MARIA DEL CARMEN, et al. *Chandra* and *Spitzer* Unveil Heavily Obscured Quasars in the *Chandra*/SWIRE Survey. 642, 673 (2006)
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- FARRAR, GLENNYS R. Foreground and Source of a Cluster of Ultra-High-Energy Cosmic Rays. *Glennys R. Farrar, Andreas A. Berlind, and David W. Hogg*. 642, L89 (2006)
- FASSNACHT, C. D. Mass along the Line of Sight to the Gravitational Lens B1608+656: Galaxy Groups and Implications for H_0 . *C. D. Fassnacht, R. R. Gal, L. M. Lubin, J. P. McKee, Gordon K. Squires, and A. C. S. Readhead*. 642, 30 (2006)
- Three Gravitational Lenses for the Price of One: Enhanced Strong Lensing through Galaxy Clustering. *C. D. Fassnacht, J. P. McKee, L. V. E. Koopmans, T. Treu, R. D. Blandford, M. W. Auger, T. E. Jeltema, L. M. Lubin, V. E. Margoniner, and D. Wittman*. 651, 667 (2006)
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- Erratum: "The ϵ Chamaeleontis Young Stellar Group and the Characterization of Sparse Stellar Clusters" (ApJ, 599, 1207 [2003]). Eric D. Feigelson, Warrick A. Lawson, and Gordon P. Garmire. 649, 1184 (2006)
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- FENG, LONG-LONG. See KIM, BRYAN, et al. Addendum: "The Velocity Field of Baryonic Gas in the Universe" (ApJ, 625, 599 [2005]). 639, 571 (2006)
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- FIEGE, JASON D. See VALLÉE, JACQUES P., et al. A Cool Filament Crossing the Warm Protostar DR 21(OH): Geometry, Kinematics, Magnetic Vectors, and Pressure Balance. 636, 332 (2006)
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- See LOONEY, LESLIE W., et al. Radioactive Probes of the Supernova-contaminated Solar Nebula: Evidence that the Sun Was Born in a Cluster. 652, 1755 (2006)
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- Discovery of an Extraordinarily Massive Cluster of Red Supergiants. Donald F. Figer, John W. MacKenty, Massimo Robberto, Kester Smith, Francisco Najarro, Rolf P. Kudritzki, and Artemio Herrero. 643, 1166 (2006)
- Erratum: "Discovery of an Extraordinarily Massive Cluster of Red Supergiants" (ApJ, 643, 1166 [2006]). Donald F. Figer, John W. MacKenty, Massimo Robberto, Kester Smith, Francisco Najarro, Rolf P. Kudritzki, and Artemio Herrero. 646, 1452 (2006)
- See KIM, SUNGSOO S., et al. The Arches Cluster Mass Function. 653, L113 (2006)
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- FILIPPENKO, ALEXEI V. See LAOR, ARI, et al. Is the Broad-Line Region Clumped or Smooth? Constraints from the H α Profile in NGC 4395, the Least Luminous Seyfert 1 Galaxy. 636, 83 (2006)
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- See PETERSON, BRADLEY M., et al. Erratum: "Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. I. A Reverberation-based Measurement of the Black Hole Mass" (ApJ, 632, 799 [2005]). 641, 638 (2006)
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- See DESROCHES, LOUIS-BENOÎT, et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. III. Optical Variability and X-Ray/UV/Optical Correlations. 650, 88 (2006)
- See GONZÁLEZ HERNÁNDEZ, JONAY I., et al. XTE J1118+480: A Metal-rich Black Hole Binary in the Galactic Halo. 644, L49 (2006)
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- FINGER, MARK H. See GÖĞÜŞ, ERSIN, et al. Erratum: "Chandra Localization of XTE J1906+090 and Discovery of Its Optical and Infrared Counterparts" (ApJ, 632, 1069 [2005]). 637, 553 (2006)
- See GHOSH, KAJAL K., et al. On the Nature of the Ultraluminous X-Ray Transient in Cen A (NGC 5128). 640, 459 (2006)
- FINKBEINER, D. P. See WILLMER, C. N. A., et al. The Deep Evolutionary Exploratory Probe 2 Galaxy Redshift Survey: The Galaxy Luminosity Function to $z \sim 1$. 647, 853 (2006)
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- FINKELSTEIN, STEVEN L. Optical Structure and Proper-Motion Age of the Oxygen-rich Supernova Remnant 1E 0102-7219 in the Small Magellanic Cloud. Steven L. Finkelstein, Jon A. Morse, James C. Green, Jeffrey L. Linsky, J. Michael Shull, Theodore P. Snow, John T. Stocke, Kenneth R. Brownberger, Dennis C. Ebbets, Erik Wilkinson, Sara R. Heap, Claus Leitherer, Blair D. Savage, Oswald H. Siegmund, and Alan Stern. 641, 919 (2006)
- FINLATOR, K. The Physical and Photometric Properties of High-Redshift Galaxies in Cosmological Hydrodynamic Simulations. K. Finlator, R. Davé, C. Papovich, and L. Hernquist. 639, 672 (2006)
- FINLATOR, KRISTIAN. See RUDNICK, GREGORY, et al. Measuring the Average Evolution of Luminous Galaxies at $z < 3$: The Rest-Frame Optical Luminosity Density, Spectral Energy Distribution, and Stellar Mass Density. 650, 624 (2006)
- FINLEY, C. B. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- FINLEY, J. P. See REBILLOT, P. F., et al. Multiwavelength Observations of the Blazar Markarian 421 in 2002 December and 2003 January. 641, 740 (2006)
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- See BRISKEN, W. F., et al. Proper Motion of Pulsar B1800-21. 652, 554 (2006)
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- FINOGUENOV, A. A Puzzling Merger in A3266: The Hydrodynamic Picture from *XMM-Newton*. A. Finoguenov, M. J. Henriksen, F. Miniati, U. G. Briel, and C. Jones. 643, 790 (2006)
- FINOGUENOV, ALEXIS. The Two-dimensional *XMM-Newton* Group Survey: $z < 0.012$ Groups. Alexis Finoguenov, David S. Davis, Marc Zimer, and John S. Mulchaey. 646, 143 (2006)
- FIocchi, M. See BIRD, A. J., et al. The Second IBIS/ISGRI Soft Gamma-Ray Survey Catalog. 636, 765 (2006)
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- Disk-Jet Coupling in the Low-Mass X-Ray Binary 4U 1636–53 from *INTEGRAL* Observations. *Mariateresa Flocchi, Angela Bazzano, Pietro Ubertini, and Pierre Jean*. 651, 416 (2006)
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- FISCHER, DEBRA. See ROBINSON, SARAH E., et al. The N2K Consortium. V. Identifying Very Metal-rich Stars with Low-Resolution Spectra: Finding Planet-Search Targets. 637, 1102 (2006)
- See AMMONS, S. MARK, et al. The N2K Consortium. IV. New Temperatures and Metallicities for More than 100,000 FGK Dwarfs. 638, 1004 (2006)
- See ROBINSON, SARAH E., et al. Silicon and Nickel Enrichment in Planet Host Stars: Observations and Implications for the Core Accretion Theory of Planet Formation. 643, 484 (2006)
- FISCHER, DEBRA A. The N2K Consortium. III. Short-Period Planets Orbiting HD 149143 and HD 109749. *Debra A. Fischer, Gregory Laughlin, Geoffrey W. Marcy, R. Paul Butler, Steven S. Vogt, John A. Johnson, Gregory W. Henry, Chris McCarthy, Mark Ammons, Sarah Robinson, Jay Strader, Jeff A. Valenti, P. R. McCullough, David Charbonneau, Joshua Haislip, Heather A. Knutson, Daniel E. Reichart, Padric McGee, Berto Monard, Jason T. Wright, Shigeru Ida, Bun'ei Sato, and Dante Minniti*. 637, 1094 (2006)
- See LEE, MAN HOI, et al. On the 2 : 1 Orbital Resonance in the HD 82943 Planetary System. 641, 1178 (2006)
- See JOHNSON, JOHN ASHER, et al. The N2K Consortium. VI. Doppler Shifts without Templates and Three New Short-Period Planets. 647, 600 (2006)
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- FISH, VINCENT L. Full-Polarization Observations of OH Masers in Massive Star-forming Regions. II. Maser Properties and the Interpretation of Polarization. *Vincent L. Fish and Mark J. Reid*. 164, 99 (2006)
- A Very High Spectral Resolution Study of Ground-State OH Masers in W3(OH). *Vincent L. Fish, Walter F. Briske, and Loránt O. SJOUVERMAN*. 647, 418 (2006)
- Search for A-doubling Transitions of SiH in Orion Kleinmann-Low. *Vincent L. Fish*. 646, L57 (2006)
- Observations of the 6 cm Lines of OH in Evolved (OH/IR) Stars. *Vincent L. Fish, Laura K. Zschaechner, Loránt O. Sjouwerman, Ylva M. Pihlström, and Mark J. Claussen*. 653, L45 (2006)
- FISHER, DAVID B. Central Star Formation and PAH Profiles in Pseudobulges and Classical Bulges. *David B. Fisher*. 642, L17 (2006)
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- FISHER, ROBERT T. See NAKAMURA, FUMITAKA, et al. On the Hydrodynamic Interaction of Shock Waves with Interstellar Clouds. II. The Effect of Smooth Cloud Boundaries on Cloud Destruction and Cloud Turbulence. 164, 477 (2006)
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- See COHEN, O., et al. Enhancement of Photospheric Meridional Flow by Reconnection Processes. 645, 1537 (2006)
- The Common Spectrum for Accelerated Ions in the Quiet-Time Solar Wind. *L. A. Fisk and G. Gloeckler*. 640, L79 (2006)
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- FISKER, JACOB LUND. The Importance of $^{15}\text{O}(\alpha,\gamma)^{19}\text{Ne}$ to X-Ray Bursts and Superbursts. *Jacob Lund Fisker, Joachim Görres, Michael Wiescher, and Barry Davids*. 650, 332 (2006)
- FITZGERALD, MICHAEL P. Speckle Statistics in Adaptively Corrected Images. *Michael P. Fitzgerald and James R. Graham*. 637, 541 (2006)
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- FLEISHMAN, GREGORY D. Diffusive Synchrotron Radiation from Relativistic Shocks in Gamma-Ray Burst Sources. *Gregory D. Fleishman*. 638, 348 (2006)
- FLEMING, S. W. See McCULLOUGH, P. R., et al. A Transiting Planet of a Sun-like Star. 648, 1228 (2006)
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- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
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- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)

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- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- FLOHIC, HÉLÈNE M. L. G. The Central Engines of 19 LINERs as Viewed by *Chandra*. Hélène M. L. G. Flohic, Michael Eracleous, George Chartas, Joseph C. Shields, and Edward C. Moran. 647, 140 (2006)
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- FLOYD, DAVID J. E. The Jet and Circumnuclear Environment of 3C 293. David J. E. Floyd, Eric Perlman, J. Patrick Leahy, R. J. Beswick, Neal J. Jackson, William B. Sparks, David J. Axon, and Christopher P. O'Dea. 639, 23 (2006)
- See TREMBLAY, GRANT R., et al. The Warped Nuclear Disk of Radio Galaxy 3C 449. 643, 101 (2006)
- An Optical-Infrared Jet in 3C 133. David J. E. Floyd, Robert Laing, Marco Chiaberge, Eric Perlman, William Sparks, Duccio Macchetto, Juan Madrid, David Axon, Christopher P. O'Dea, Stefi Baum, Alice Quillen, George Miley, and Alessandro Capetti. 643, 660 (2006)
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- FOLATELLI, GASTÓN. SN 2005bf: A Possible Transition Event between Type Ib/c Supernovae and Gamma-Ray Bursts. Gastón Folatelli, Carlos Contreras, M. M. Phillips, S. E. Woosley, Sergei Blinnikov, Nidia Morrell, Nicholas B. Suntzeff, Brian L. Lee, Mario Hamuy, Sergio González, Wojtek Krzeminski, Miguel Roth, Weidong Li, Alexei V. Filippenko, Ryan J. Foley, W. L. Freedman, Barry F. Madore, S. E. Persson, David Murphy, Samuel Boissier, Gaspar Galaz, Luis González, P. J. McCarthy, Andrew McWilliam, and Wojtek Pych. 641, 1039 (2006)
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- FOLEY, S. See WATSON, D., et al. The Soft X-Ray Blast in the Apparently Subluminous GRB 031203. 636, 967 (2006)
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- FOMALONT, E. B. The Radio/Optical Catalog of the SSA 13 Field. E. B. Fomalont, K. I. Kellermann, L. L. Cowie, P. Capak, A. J. Barger, R. B. Partridge, R. A. Windhorst, and E. A. Richards. 167, 103 (2006)
- FONG, D. Evolution of the Circumstellar Molecular Envelope. I. A BIMA CO Survey of Evolved Stars. D. Fong, M. Meixner, E. C. Sutton, A. Zalucha, and W. J. Welch. 652, 1626 (2006)
- FONG, DAVID. See SCHÖIER, FREDRIK L., et al. The Distribution of SiO in the Circumstellar Envelope around IRC +10216. 649, 965 (2006)
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- FOR, B.-Q. First Attempt at Spectroscopic Detection of Gravity Modes in the Long-Period Pulsating Subdwarf B Star PG 1627+017. *B.-Q. For, E. M. Green, D. O'Donoghue, L. L. Kiss, S. K. Randall, G. Fontaine, A. P. Jacob, S. J. O'Toole, E. A. Hyde, and T. R. Bedding*. 642, 1117 (2006)
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- Luminous Galaxies at $z < 3$: The Rest-Frame Optical Luminosity Density, Spectral Energy Distribution, and Stellar Mass Density. 650, 624 (2006)
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- Colliding Clusters: Implications for Lower Frequency Gravitational-Wave Astronomy. 653, L53 (2006)
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- FREUND, MINORU M. Solid Solution Model for Interstellar Dust Grains and Their Organics. *Minoru M. Freund and Friedemann T. Freund*. 639, 210 (2006)
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- The Sgr B2 X-Ray Echo of the Galactic Center Supernova Explosion that Produced Sgr A East. *Christopher L. Fryer, Gabriel Rockefeller, Aimee Hungerford, and Fulvio Melia*. 638, 786 (2006)
- NSNSPH: A Parallel Three-dimensional Smoothed Particle Radiation Hydrodynamics Code. *Christopher L. Fryer, Gabriel Rockefeller, and Michael S. Warren*. 643, 292 (2006)
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- Supernova fallback: A Possible Site for the r -Process. *Christopher L. Fryer, Falk Herwig, Aimee Hungerford, and F. X. Timmes*. 646, L131 (2006)
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- FUENTE, A. Detection of CO⁺ in the Nucleus of M82. *A. Fuente, S. García-Burillo, M. Gerin, J. R. Rizzo, A. Usero, D. Teyssier, E. Roueff, and J. Le Bourlot*. 641, L105 (2006)
- A Keplerian Gaseous Disk around the B0 Star R Monocerotis. *A. Fuente, T. Alonso-Albi, R. Bachiller, A. Natta, L. Testi, R. Neri, and P. Planesas*. 649, L119 (2006)
- FUENTES, CESAR I. The Hypervelocity Star SDSS J090745.0+024507 Is Variable. *Cesar I. Fuentes, K. Z. Stanek, B. Scott Gaudi, Brian A. McLeod, Slavko Bogdanov, Joel D. Hartman, Ryan C. Hickox, and Matthew J. Holman*. 636, L37 (2006)
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- FUJIWARA, HIDEAKI. The Asymmetric Thermal Emission of the Protoplanetary Disk Surrounding HD 142527 Seen by Subaru/COMICS. *Hideaki Fujiwara, Mitsuhiro Honda, Hirokazu Kataza, Takuya Yamashita, Takashi Onaka, Misato Fukagawa, Yoshiko K. Okamoto, Takashi Miyata, Shigeyuki Sako, Takuya Fujiyoshi, and Itsuki Sakon*. 644, L133 (2006)
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- FUKAZAWA, Y. Scaling Mass Profiles around Elliptical Galaxies Observed with *Chandra* and *XMM-Newton*. *Y. Fukazawa, J. G. Botoya-Nones, J. Pu, A. Ohto, and N. Kawano*. 636, 698 (2006)
- FUKUDA, Y. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- FULLERTON, A. W. The Discordance of Mass-Loss Estimates for Galactic O-Type Stars. *A. W. Fullerton, D. L. Massa, and R. K. Prinja*. 637, 1025 (2006)
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- FÜRÉSZ, GÁBOR. Kinematics of NGC 2264: Signs of Cluster Formation. *Gábor Fűrész, Lee W. Hartmann, Andrew H. Szentgyorgyi, Naomi A. Ridge, Luisa Rebull, John Stauffer, David W. Latham, Maureen A. Conroy, Daniel G. Fabricant, and John Roll*. 648, 1090 (2006)
- FURLAN, E. A Survey and Analysis of *Spitzer* Infrared Spectrograph Spectra of T Tauri Stars in Taurus. *E. Furlan, L. Hartmann, N. Calvet, P. D'Alessio, R. Franco-Hernández, W. J. Forrest, D. M. Watson, K. I. Uchida, B. Sargent, J. D. Green, L. D. Keller, and T. L. Herter*. 165, 568 (2006)
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- See YOSHIDA, MAKIKO, et al. Luminosity Functions of Lyman Break Galaxies at $z \sim 4$ and $z \sim 5$ in the Subaru Deep Field. 653, 988 (2006)
- FURUSHO, REIKO. See KAWAKITA, HIDEYO, et al. Ortho-to-Para Ratios of Water and Ammonia in Comet C/2001 Q4 (NEAT): Comparison of Nuclear Spin Temperatures of Water, Ammonia, and Methane. 643, 1337 (2006)
- FURUYA, RAY S. The Initial Conditions for Gravitational Collapse of a Core: An Extremely Young Low-Mass Class 0 Protostar GF 9-2. *Ray S. Furuya, Yoshimi Kitamura, and Hiroko Shinnaga*. 653, 1369 (2006)
- FUSE, TETSU HARU. See KAWAKITA, HIDEYO, et al. Ortho-to-Para Ratios of Water and Ammonia in Comet C/2001 Q4 (NEAT): Comparison of Nuclear Spin Temperatures of Water, Ammonia, and Methane. 643, 1337 (2006)
- FUSHITANI, MIZUHO. See MORISAWA, YUSUKE, et al. Correlation between Nuclear Spin Ratio of Cyclic C₂H₂ and Chemical Evolution in TMC-1 Cores. 642, 954 (2006)
- FUSILIER, DAVID J. See SALARIS, MAURIZIO, et al. On the Primordial Scenario for Abundance Variations within Globular Clusters: The Isochrone Test. 645, 1131 (2006)
- FUSI PECCI, F. See FERRARO, F. R., et al. Discovery of Carbon/Oxygen-depleted Blue Straggler Stars in 47 Tucanae: The Chemical Signature of a Mass Transfer Formation Process. 647, L53 (2006)
- FUTAANA, Y. See GALLI, A., et al. Direct Measurements of Energetic Neutral Hydrogen in the Interplanetary Medium. 644, 1317 (2006)
- FYNBO, J. P. U. See PEDERSEN, K., et al. Multiwavelength Studies of the Optically Dark Gamma-Ray Burst 001025A. 636, 381 (2006)
- See WATSON, D., et al. The Soft X-Ray Burst in the Apparently Subluminous GRB 031203. 636, 967 (2006)
- See BERSIER, D., et al. Evidence for a Supernova Associated with the X-Ray Flash 020903. 643, 284 (2006)
- See WATSON, D., et al. A log $N_{\text{H}} \approx 22.6$ Damped Ly α Absorber in a Dark Gamma-Ray Burst: The Environment of GRB 050401. 652, 1011 (2006)
- See WATSON, D., et al. Outshining the Quasars at Reionization: The X-Ray Spectrum and Light Curve of the Redshift 6.29 Gamma-Ray Burst GRB 050904. 637, L69 (2006)

- See LEVAN, A. J., et al. The Faint Afterglow and Host Galaxy of the Short-Hard GRB 060121. 648, L9 (2006)
- See CASTRO CERÓN, J. M., et al. Star Formation Rates and Stellar Masses in $z \sim 1$ Gamma-Ray Burst Hosts. 653, L85 (2006)
- FYNBO, JOHAN. See LEVAN, ANDREW, et al. Infrared and Optical Observations of GRB 030115 and its Extremely Red Host Galaxy: Implications for Dark Bursts. 647, 471 (2006)
- GABASCH, A. See PANNELLA, M., et al. The Evolution of the Mass Function Split by Morphology up to Redshift 1 in the FORS Deep and the GOODS-S Fields. 639, L1 (2006)
- GABEL, J. R. See KRAEMER, S. B., et al. Simultaneous Ultraviolet and X-Ray Observations of the Seyfert Galaxy NGC 4151. II. Physical Conditions in the UV Absorbers. 167, 161 (2006)
- GABEL, JACK R. The AGN Outflow in the HDF-S Target QSO J2233-606 from a High-Resolution VLT UVES Spectrum. *Jack R. Gabel, Nahum Arav, and Tae-Sun Kim*. 646, 742 (2006)
- GADOTTI, D. A. On the Lengths, Colors, and Ages of 18 Face-on Bars. *D. A. Gadotti and R. E. de Souza*. 163, 270 (2006)
- GAENG, T. See SABA, J. L. R., et al. Analysis of Solar Flare Ribbon Evolution: A Semiautomated Approach. 641, 1197 (2006)
- GAENSICKE, BORIS T. See SION, EDWARD M., et al. The First Direct Spectroscopic Detection of a White Dwarf Primary in an AM CVn System. 636, L125 (2006)
- GAENSLER, B. M. See KAPLAN, D. L., et al. An X-Ray Search for Compact Central Sources in Supernova Remnants. II. Six Large-Diameter SNRs. 163, 344 (2006)
- See HAVERKORN, M., et al. The Southern Galactic Plane Survey: Polarized Radio Continuum Observations and Analysis. 167, 230 (2006)
- See CAMILO, F., et al. PSR J1833-1034: Discovery of the Central Young Pulsar in the Supernova Remnant G21.5-0.9. 637, 456 (2006)
- See GRANOT, J., et al. Diagnosing the Outflow from the SGR 1806-20 Giant Flare with Radio Observations. 638, 391 (2006)
- See LORIMER, D. R., et al. Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. 640, 428 (2006)
- See DELANEY, T., et al. Time Variability in the X-Ray Nebula Powered by Pulsar B1509-58. 640, 929 (2006)
- See RAKOWSKI, CARA E., et al. Can Ejecta-dominated Supernova Remnants be Typed from Their X-Ray Spectra? The Case of G337.2-0.7. 646, 982 (2006)
- The X-Ray Structure of the Pulsar Bow Shock G189.22+2.90 in the Supernova Remnant IC 443. *B. M. Gaensler, S. Chatterjee, P. O. Slane, E. van der Swaluw, F. Camilo, and J. P. Hughes*. 648, 1037 (2006)
- See TAM, C. R., et al. *Chandra* Observations of the Transient 7 s X-ray Pulsar AX J1845.0-0258. 652, 548 (2006)
- See GONZALEZ, M. E., et al. *Chandra* and *XMM-Newton* Observations of the Vela-like Pulsar B1046-58. 652, 569 (2006)
- See MCCLURE-GRIFFITHS, N. M., et al. Magnetically Dominated Strands of Cold Hydrogen in the Riegel-Crutchfield Cloud. 652, 1339 (2006)
- See BLAZEK, J. A., et al. The Duck Redux: An Improved Proper-Motion Upper Limit for the Pulsar B1757-24 near the Supernova Remnant G5.4-1.2. 652, 1523 (2006)
- See HAVERKORN, M., et al. Enhanced Small-Scale Faraday Rotation in the Galactic Spiral Arms. 637, L33 (2006)
- See BROGAN, C. L., et al. Discovery of 35 New Supernova Remnants in the Inner Galaxy. 639, L25 (2006)
- GAENSLER, BRYAN M. See REYNOLDS, STEPHEN P., et al. Discovery of the X-Ray Counterpart to the Rotating Radio Transient J1819-1458. 639, L71 (2006)
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- GAETZ, T. J. See PIETSCH, W., et al. M33 X-7: ChASeM33 Reveals the First Eclipsing Black Hole X-Ray Binary. 646, 420 (2006)
- GAETZ, TERRANCE J. See SASAKI, MANAMI, et al. Far-Ultraviolet and X-Ray Observations of the Reverse Shock in the Small Magellanic Cloud Supernova Remnant IE 0102.2-7219. 642, 260 (2006)
- See SASAKI, MANAMI, et al. Evidence for Shocked Molecular Gas in the Galactic Supernova Remnant CTB 109 (G109.1-1.0). 642, L149 (2006)
- GAGLIARDI, SIMONA. See DOMÍNGUEZ, INMA, et al. Rotating Type Ia SN Progenitors: Explosion and Light Curves. 644, 21 (2006)
- GAGNON, N. See AHARIMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- GAHM, GÖSTA F. See HERCZEG, GREGORY J., et al. The Origins of Fluorescent H $_2$ Emission From T Tauri Stars. 165, 256 (2006)
- GAIR, JONATHAN R. Gravitational Radiation Timescales for Extreme Mass Ratio Inspirals. *Jonathan R. Gair, Daniel J. Kennefick, and Shane L. Larson*. 639, 999 (2006)
- GAL, R. R. See BLOOM, J. S., et al. Closing in on a Short-Hard Burst Progenitor: Constraints from Early-Time Optical Imaging and Spectroscopy of a Possible Host Galaxy of GRB 050509b. 638, 354 (2006)
- See FASSNACHT, C. D., et al. Mass along the Line of Sight to the Gravitational Lens B1608+656: Galaxy Groups and Implications for H_0 . 642, 30 (2006)
- See LOPES, P. A. A., et al. X-Ray Galaxy Clusters in NoSOCS: Substructure and the Correlation of Optical and X-Ray Properties. 648, 209 (2006)
- GALANTE, N. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- GALAZ, GASPAR. See GAWISER, ERIC, et al. The Multiwavelength Survey by Yale-Chile (MUSYC): Survey Design and Deep Public *UBVRiz* Images and Catalogs of the Extended Hubble Deep Field-South. 162, 1 (2006)
- See FOLATELLI, GASTÓN, et al. SN 2005bf: A Possible Transition Event between Type Ib/c Supernovae and Gamma-Ray Bursts. 641, 1039 (2006)
- GALAZUTDINOV, G. A. Circumstellar Disk around HD 143275 and Interstellar Absorption. *G. A. Galazutdinov and J. Krelowski*. 637, 342 (2006)
- GALEAZZI, M. See URSINO, E., et al. X-Ray Flux from the Warm-Hot Intergalactic Medium. 652, 1085 (2006)
- GALICHER, RAPHAEL. See MARTINACHE, FRANTZ, et al. Exoplanet Imaging with a Phase-induced Amplitude Apodization Coronagraph. II. Performance. 639, 1129 (2006)
- See PLUZHNIK, EUGENE A., et al. Exoplanet Imaging with a Phase-induced Amplitude Apodization Coronagraph. III. Diffraction Effects and Coronagraph Design. 644, 1246 (2006)
- GALLAGHER, J. See NOTA, A., et al. Discovery of a Population of Pre-Main-Sequence Stars in NGC 346 from Deep *Hubble Space Telescope* ACS Images. 640, L29 (2006)
- GALLAGHER, J. S. See IODICE, E., et al. Stellar Kinematics for the Central Spheroid in the Polar Disk Galaxy NGC 4650A. 643, 200 (2006)
- See FABBIANO, G., et al. The Modulated Emission of the Ultraluminous X-Ray Source in NGC 3379. 650, 879 (2006)
- See KIM, D.-W., et al. Probing the Low-Luminosity X-Ray Luminosity Function in Normal Elliptical Galaxies. 652, 1690 (2006)
- GALLAGHER III, JOHN S. See ANDERSEN, DAVID R., et al. The Photometric and Kinematic Structure of Face-on Disk Galaxies. I. Sample Definition, $H\alpha$ Integral Field Spectroscopy, and H I Line Widths. 166, 505 (2006)
- GALLAGHER, PETER T. See MILLIGAN, RYAN O., et al. *RHESI* and *SOHO* CDS Observations of Explosive Chromospheric Evaporation. 638, L117 (2006)
- See MILLIGAN, RYAN O., et al. Observational Evidence of Gentle Chromospheric Evaporation during the Impulsive Phase of a Solar Flare. 642, L169 (2006)
- GALLAGHER, S. C. See RICHARDS, GORDON T., et al. Spectral Energy Distributions and Multiwavelength Selection of Type 1 Quasars. 166, 470 (2006)
- An Exploratory *Chandra* Survey of a Well-defined Sample of 35 Large Bright Quasar Survey Broad Absorption Line Quasars. *S. C. Gallagher, W. N. Brandt, G. Chartas, R. Priddey, G. P. Garmire, and R. M. Sambruna*. 644, 709 (2006)
- See MILLER, B. P., et al. X-Ray Absorption and an X-Ray Jet in the Radio-loud Broad Absorption-line Quasar PG 1004+130. 652, 163 (2006)
- GALLAGHER, SARAH C. See EVANS, DANIEL A., et al. The *Chandra*, *Hubble Space Telescope*, and VLA View of the Circumnuclear Extended Emission in the Narrow Emission Line Galaxy NGC 2110. 653, 1121 (2006)
- GALLANT, Y. A. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)

- GALLART, CARMÉ. See DUFFAU, SONIA, et al. Spectroscopy of QUEST RR Lyrae Variables: The New Virgo Stellar Stream. 636, L97 (2006)
- GALLETTI, S. ACS Photometry of the Remote M31 Globular Cluster B514. S. Galletti, L. Federici, M. Bellazzini, A. Buzzoni, and F. Fusi Pecci. 650, L107 (2006)
- GALLI, A. Direct Measurements of Energetic Neutral Hydrogen in the Interplanetary Medium. A. Galli, P. Wurz, S. Barabash, A. Grigoriev, R. Lundin, Y. Futaana, H. Gunell, M. Holmström, E. C. Roelof, C. C. Curtis, K. C. Hsieh, A. Fedorov, D. Winningham, R. A. Frahm, R. Cerulli-Irelli, P. Bochsler, N. Krupp, J. Woch, and M. Fraenz. 644, 1317 (2006)
- GALLI, DANIELE. Gravitational Collapse of Magnetized Clouds. I. Ideal Magnetohydrodynamic Accretion Flow. Daniele Galli, Susana Lizano, Frank H. Shu, and Anthony Allen. 647, 374 (2006)
- See SHU, FRANK H., et al. Gravitational Collapse of Magnetized Clouds. II. The Role of Ohmic Dissipation. 647, 382 (2006)
- GALLINO, R. See WINCKLER, N., et al. Lanthanum: An *s*- and *r*-Process Indicator. 647, 685 (2006)
- GALLINO, ROBERTO. See IVANS, INESE L., et al. Near-Ultraviolet Observations of HD 221170: New Insights into the Nature of *r*-Process-rich Stars. 645, 613 (2006)
- See FENNER, YESHE, et al. Cosmological Implications of Dwarf Spheroidal Chemical Evolution. 646, 184 (2006)
- See ZINNER, ERNST, et al. Silicon and Carbon Isotopic Ratios in AGB Stars: SiC Grain Data, Models, and the Galactic Evolution of the Si Isotopes. 650, 350 (2006)
- See AOKI, WAKO, et al. Carbon-enhanced Metal-poor Stars: Osmium and Iridium Abundances in the Neutron-Capture-enhanced Subgiants CS 31062-050 and LP 625-44. 650, L127 (2006)
- GALLO, E. See MIGLIARI, S., et al. *Spitzer* Reveals Infrared Optically Thin Synchrotron Emission from the Compact Jet of the Neutron Star X-Ray Binary 4U 0614+091. 643, L41 (2006)
- GALLOWAY, DUNCAN K. Eddington-limited X-Ray Bursts as Distance Indicators. II. Possible Compositional Effects in Bursts from 4U 1636-536. Duncan K. Galloway, Dimitrios Psaltis, Michael P. Muno, and Deepthi Chakrabarty. 639, 1033 (2006)
- Helium-rich Thermonuclear Bursts and the Distance to the Accretion-powered Millisecond Pulsar SAX J1808.4-3658. Duncan K. Galloway and Andrew Cumming. 652, 559 (2006)
- GALLOWAY, R. K. Cross-Field Diffusion of Electrons in Tangled Magnetic Fields and Implications for Coronal Fine Structure. R. K. Galloway, P. Helander, and A. L. MacKinnon. 646, 615 (2006)
- GALSGAARD, K. See ARCHONTIS, V., et al. Three-dimensional Plasmoid Evolution in the Solar Atmosphere. 645, L161 (2006)
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- GAL-YAM, A. See SODERBERG, A. M., et al. An *HST* Study of the Supernovae Accompanying GRB 040924 and GRB 041006. 636, 391 (2006)
- See SODERBERG, A. M., et al. The Afterglow, Energetics, and Host Galaxy of the Short-Hard Gamma-Ray Burst 051221a. 650, 261 (2006)
- See CENKO, S. B., et al. Multiwavelength Observations of GRB 050820A: An Exceptionally Energetic Event Followed from Start to Finish. 652, 490 (2006)
- See OFEK, E. O., et al. The Short-Hard GRB 051103: Observations and Implications for Its Nature. 652, 507 (2006)
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- GAL-YAM, AVISHAY. Radio and Optical Follow-up Observations of a Uniform Radio Transient Search: Implications for Gamma-Ray Bursts and Supernovae. Avishay Gal-Yam, Eran O. Ofek, Dovi Poznanski, Amir Levinson, Eli Waxman, Dale A. Frail, Alicia M. Soderberg, Ehud Nakar, Weidong Li, and Alexei V. Filippenko. 639, 331 (2006)
- See NAKAR, EHUD, et al. The Distances of Short-Hard Gamma-Ray Bursts and the Soft Gamma-Ray Repeater Connection. 640, 849 (2006)
- See NUGENT, PETER, et al. Toward a Cosmological Hubble Diagram for Type II-P Supernovae. 645, 841 (2006)
- See MAZZALI, PAOLO A., et al. Models for the Type Ic Hypernova SN 2003lw associated with GRB 031203. 645, 1323 (2006)
- See NAKAR, EHUD, et al. The Local Rate and the Progenitor Lifetimes of Short-Hard Gamma-Ray Bursts: Synthesis and Predictions for the Laser Interferometer Gravitational-Wave Observatory. 650, 281 (2006)
- GAMA, S. M. A. See BIGAZZI, A., et al. Small-Scale Anisotropy and Intermittence in High- and Low-Latitude Solar Wind. 638, 499 (2006)
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- See NOBLE, SCOTT C., et al. Primitive Variable Solvers for Conservative General Relativistic Magnetohydrodynamics. 641, 626 (2006)
- GAN, W. Q. See LI, Y. P., et al. The Oscillatory Shrinkage in *TRACE* 195 Å Loops during a Flare Impulsive Phase. 644, L97 (2006)
- See LI, Y. P., et al. On the Peak Times of Thermal and Nonthermal Emissions in Solar Flares. 652, L61 (2006)
- GANDHI, POSHAK. See WEISSKOPF, MARTIN C., et al. The First *Chandra* Field. 637, 682 (2006)
- GANDO, Y. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- GANESHALINGAM, MOHAN. See DESROCHES, LOUIS-BENOIT, et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. III. Optical Variability and X-Ray/UV/Optical Correlations. 650, 88 (2006)
- GANEZER, K. S. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- GANGLER, E. See ALDERING, G., et al. Nearby Supernova Factory Observations of SN 2005gj: Another Type Ia Supernova in a Massive Circumstellar Envelope. 650, 510 (2006)
- GANGOPADHYAY, P. *Voyager 1*, *Voyager 2*, and *Pioneer 10* Ly α Data and Their Interpretation. P. Gangopadhyay, V. V. Izmodenov, M. Gruntman, and D. L. Judge. 637, 786 (2006)
- GANGULY, RAJIB. High-Resolution Absorption Spectroscopy of Multiphase, High-Metallicity Gas Associated with the Luminous Quasar HE 0226-4110. Rajib Ganguly, Kenneth R. Sembach, Todd M. Tripp, Blair D. Savage, and Bart P. Wakker. 645, 868 (2006)
- GANN, G. D. OREBI. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- GÄNSICKE, BORIS T. *FUSE* and *HST* STIS Far-Ultraviolet Observations of AM Herculis in an Extended Low State. Boris T. Gänsicke, Knox S. Long, Martin A. Barstow, and Ivan Hubeny. 639, 1039 (2006)
- See GODOU, PATRICK, et al. *Hubble Space Telescope* STIS Spectroscopy and Modeling of the Long-Term Cooling of WZ Sagittae following the 2001 July Outburst. 642, 1018 (2006)
- GAO, L. See LIN, W. P., et al. The Influence of Baryons on the Mass Distribution of Dark Matter Halos. 651, 636 (2006)
- See JING, Y. P., et al. The Influence of Baryons on the Clustering of Matter and Weak-Lensing Surveys. 640, L119 (2006)
- GAO, LIANG. See ZHU, GUANGTUN, et al. The Dependence of the Occupation of Galaxies on the Halo Formation Time. 639, L5 (2006)
- GAO, P. X. See LI, K. J., et al. Does High-Latitude Solar Activity Lead Low-Latitude Solar Activity in Time Phase? 646, 1392 (2006)
- GAO, T. T. See HUANG, Y. F., et al. Modeling the Optical Afterglow of GRB 030329. 637, 873 (2006)
- GAO, Y. See APPLETON, P. N., et al. Powerful High-Velocity Dispersion Molecular Hydrogen Associated with an Intergalactic Shock Wave in Stephan's Quintet. 639, L51 (2006)
- See SU, J. T., et al. The Influence of Faraday Rotation on the Vertical Electric Current Density. 649, L141 (2006)
- GARAI, JOSEF. Infrared Absorption Investigations Confirm the Extraterrestrial Origin of Carbonado Diamonds. Jozsef Garai, Stephen E. Haggerty, Sandeep Rekhi, and Mark Chance. 653, L153 (2006)
- GARAIMOV, V. I. See SCHMAHL, E. J., et al. Radio and Hard X-Ray Imaging Observations of the M5.7 Flare of 2002 March 14. 643, 1271 (2006)
- GARAVINI, G. See CONLEY, A., et al. Measurement of Ω_m , Ω_Λ from a Blind Analysis of Type Ia Supernovae with CMAGIC: Using Color Information to Verify the Acceleration of the Universe. 644, 1 (2006)
- GARAY, G. See CURIEL, S., et al. Large Proper Motions in the Jet of the High-Mass YSO Cepheus A HW2. 638, 878 (2006)
- GARAY, GUIDO. A Multiwavelength Study of Young Massive Star-forming Regions. I. The Ionized Gas Content. Guido Garay, Kate J. Brooks, Diego Mardones, and Ray P. Norris. 651, 914 (2006)
- GARCÍA, A. M. See GARCÍA-HERNÁNDEZ, D. A., et al. Revealing the Mid-Infrared Emission Structure of IRAS 16594-4656 and IRAS 07027-7934. 640, 829 (2006)
- GARCIA, M. R. See KILGARD, R. E., et al. Erratum: "A *Chandra* Survey of

- Nearby Spiral Galaxies. I. Point Source Catalogs" (ApJS, 159, 214 [2005]). 163, 424 (2006)
- See ZURITA, C., et al. The 2005 Outburst of the Halo Black Hole X-Ray Transient XTE J1118+480. 644, 432 (2006)
- GARCÍA, MICHAEL R. See WILLIAMS, BENJAMIN F., et al. A Soft X-Ray Transient in the M31 Bulge. 637, 479 (2006)
- See WILLIAMS, BENJAMIN F., et al. A Catalog of Transient X-Ray Sources in M31. 643, 356 (2006)
- GARCÍA-ÁLVAREZ, DAVID. Evidence of the FIP Effect in the Coronae of Late-Type Giants. *David García-Álvarez, Jeremy J. Drake, B. Ball, LiWei Lin, and Vinay L. Kashyap*. 638, 1028 (2006)
- GARCÍA-BURILLO, S. See MARTÍN, S., et al. A 2 Millimeter Spectral Line Survey of the Starburst Galaxy NGC 253. 164, 450 (2006)
- See GRACIÁ-CARPIO, J., et al. Is HCN a True Tracer of Dense Molecular Gas in Luminous and Ultraluminous Infrared Galaxies? 640, L135 (2006)
- See FUENTE, A., et al. Detection of CO⁺ in the Nucleus of M82. 641, L105 (2006)
- A New Probe of Dense Gas at High Redshift: Detection of HCO⁺ (5–4) Line Emission in APM 08279+5255. *S. García-Burillo, J. Graciá-Carpio, M. Guélin, R. Neri, P. Cox, P. Planesas, P. M. Solomon, L. J. Tacconi, and P. A. Vanden Bout*. 645, L17 (2006)
- GARCÍA-DABÓ, CÉSAR E. See ELICHE-MORAL, M. CARMEN, et al. GOYA Survey: *U* and *B* Number Counts in the Groth-Westphal Strip. 639, 644 (2006)
- GARCÍA-HERNÁNDEZ, D. A. Revealing the Mid-Infrared Emission Structure of IRAS 16594–4656 and IRAS 07027–7934. *D. A. García-Hernández, A. Manchado, P. García-Lario, A. Benítez Cañete, J. A. Acosta-Pulido, and A. M. García*. 640, 829 (2006)
- GARCÍA-LARIO, P. See GARCÍA-HERNÁNDEZ, D. A., et al. Revealing the Mid-Infrared Emission Structure of IRAS 16594–4656 and IRAS 07027–7934. 640, 829 (2006)
- See CARCIOFI, A. C., et al. Properties of the δ Scorpii Circumstellar Disk from Continuum Modeling. 652, 1617 (2006)
- GARCÍA-MARÍN, M. Integral Field Spectroscopy of the Luminous Infrared Galaxy Arp 299 (IC 694 + NGC 3690). *M. García-Marín, L. Colina, S. Arribas, A. Alonso-Herrero, and E. Mediavilla*. 650, 850 (2006)
- GARCÍA-MIRÓ, C. See KONDRATKO, P. T., et al. Discovery of Water Maser Emission in Eight AGNs with 70 m Antennas of NASA's Deep Space Network. 638, 100 (2006)
- See KONDRATKO, P. T., et al. Erratum: "Discovery of Water Maser Emission in Eight AGNs with 70 m Antennas of NASA's Deep Space Network" (ApJ, 638, 100 [2006]). 649, 561 (2006)
- GARCÍA-SEGURA, G. The Dynamical Evolution of Planetary Nebulae after the Fast Wind. *G. García-Segura, J. A. López, W. Steffen, J. Meaburn, and A. Manchado*. 646, L61 (2006)
- GARCÍA-SENZ, DOMINGO. See BRAVO, EDUARDO, et al. Beyond the Bubble Catastrophe of Type Ia Supernovae: Pulsating Reverse Detonation Models. 642, L157 (2006)
- GARCZARCZYK, M. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- GARDAN, ERWAN. See THORNLEY, MICHELE D., et al. Infrared Dust Emission in the Outer Disk of M51. 651, L101 (2006)
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- GARMIRE, G. P. See KARGALTSEV, O., et al. X-Ray Emission from the Nearby PSR B1133+16 and Other Old Pulsars. 636, 406 (2006)
- See GALLAGHER, S. C., et al. An Exploratory *Chandra* Survey of a Well-defined Sample of 35 Large Bright Quasar Survey Broad Absorption Line Quasars. 644, 709 (2006)
- See KARGALTSEV, O., et al. X-Ray Emission from the Double Neutron Star Binary B1534+12: Powered by the Pulsar Wind? 646, 1139 (2006)
- See MILLER, B. P., et al. X-Ray Absorption and an X-Ray Jet in the Radio-loud Broad Absorption-line Quasar PG 1004+130. 652, 163 (2006)
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- GARMIRE, GORDON P. See PARK, SANGWOOK, et al. Evolutionary Status of SNR 1987A at the Age of Eighteen. 646, 1001 (2006)
- See FEIGELSON, ERIC D., et al. Erratum: "The ϵ Chamaeleontis Young Stellar Group and the Characterization of Sparse Stellar Clusters" (ApJ, 599, 1207 [2003]). 649, 1184 (2006)
- See PARK, SANGWOOK, et al. Discovery of a Candidate Central Compact Object in the Galactic Nonthermal SNR G330.2+1.0. 653, L37 (2006)
- GARNAVICH, P. M. See MODIAZ, M., et al. Early-Time Photometry and Spectroscopy of the Fast Evolving SN 2006aj Associated with GRB 060218. 645, L21 (2006)
- GARNAVICH, PETER. See CLOCCIATTI, ALEJANDRO, et al. *Hubble Space Telescope* and Ground-based Observations of Type Ia Supernovae at Redshift 0.5: Cosmological Implications. 642, 1 (2006)
- See HENG, KEVIN, et al. Evolution of the Reverse Shock Emission from SNR 1987A. 644, 959 (2006)
- See LEVAN, ANDREW, et al. Infrared and Optical Observations of GRB 030115 and its Extremely Red Host Galaxy: Implications for Dark Bursts. 647, 471 (2006)
- GARNAVICH, PETER M. See QUINN, JASON L., et al. A Light Echo from Type Ia SN 1995E? 652, 512 (2006)
- GARNETT, DONALD R. See CROCKETT, NATHAN R., et al. Neon and Oxygen Abundances in M33. 637, 741 (2006)
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- GARY, B. L. See MCCULLOUGH, P. R., et al. A Transiting Planet of a Sun-like Star. 648, 1228 (2006)
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- See LIU, CHANG, et al. Large-Scale Activities Associated with the 2003 October 29 X10 Flare. 642, 1205 (2006)
- See LEE, JEONGWOO, et al. Magnetic Energy Release during the 2002 September 9 Solar Flare. 647, 638 (2006)
- GARY, G. A. See FALCONER, D. A., et al. Magnetic Causes of Solar Coronal Mass Ejections: Dominance of the Free Magnetic Energy over the Magnetic Twist Alone. 644, 1258 (2006)
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- GASTALDELLO, FABIO. See HUMPHREY, PHILIP J., et al. A *Chandra* View of Dark Matter in Early-Type Galaxies. 646, 899 (2006)
- See ZAPPACOSTA, LUCA, et al. The Absence of Adiabatic Contraction of the Radial Dark Matter Profile in the Galaxy Cluster A2589. 650, 777 (2006)
- See MATHEWS, WILLIAM G., et al. Large Scatter in X-Ray Emission among Elliptical Galaxies: Correlations with Mass of Host Halo. 652, L17 (2006)
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- GAUDI, B. S. See DONG, SUBO, et al. Planetary Detection Efficiency of the Magnification 3000 Microlensing Event OGLE-2004-BLG-343. 642, 842 (2006)
- See GOULD, A., et al. Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. 644, L37 (2006)
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- Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission from GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- GAUTHIER, JEAN-RENÉ. Substructure around M31: Evolution and Effects. *Jean-René Gauthier, John Dubinski, and Lawrence M. Widrow*. 653, 1180 (2006)
- GAUTIER, T. N. See BRYDEN, G., et al. Frequency of Debris Disks around Solar-Type Stars: First Results from a *Spitzer* MIPS Survey. 636, 1098 (2006)
- See BEICHMAN, C. A., et al. IRS Spectra of Solar-Type Stars: A Search for Asteroid Belt Analogs. 639, 1166 (2006)
- See BEICHMAN, C. A., et al. New Debris Disks around Nearby Main-Sequence Stars: Impact on the Direct Detection of Planets. 652, 1674 (2006)
- GAUTSCHY, A. See SAIO, H., et al. *MOST* Detects g - and p -Modes in the B Supergiant HD 163899 (B2 Ib/II). 650, 1111 (2006)
- GAVAZZI, G. See CORTESE, L., et al. UV Dust Attenuation in Normal Star-Forming Galaxies. I. Estimating the $L_{\text{UV}}/L_{\text{FIR}}$ Ratio. 637, 242 (2006)
- GAVRIIL, FOTIS P. A Burst and Simultaneous Short-Term Pulsed Flux Enhancement from the Magnetar Candidate 1E 1048.1-5937. *Fotis P. Gavril, Victoria M. Kaspi, and Peter M. Woods*. 641, 418 (2006)
- GAWISER, E. See VAN DOKKUM, P. G., et al. The Space Density and Colors of Massive Galaxies at $2 < z < 3$: The Predominance of Distant Red Galaxies. 638, L59 (2006)
- GAWISER, ERIC. The Multiwavelength Survey by Yale-Chile (MUSYC): Survey Design and Deep Public *UBVRi* Images and Catalogs of the Extended Hubble Deep Field-South. *Eric Gawiser, Pieter G. van Dokkum, David Herrera, José Maza, Francisco J. Castander, Leopoldo Infante, Paulina Lira, Ryan Quadri, Ruth Toner, Ezequiel Treister, C. Megan Urry, Martin Altmann, Roberto Assef, Daniel Christlein, Paolo S. Coppi, María Fernanda Durán, Marijn Franx, Gaspar Galaz, Leonor Huerta, Charles Liu, Sebastián López, René Méndez, David C. Moore, Mónica Rubio, María Teresa Ruiz, Sune Toft, and Sukyoung K. Yi*. 162, 1 (2006)
- See KRIEK, MARISKA, et al. Direct Measurements of the Stellar Continuum and Balmer/4000 Å Breaks of Red $z > 2$ Galaxies: Redshifts and Improved Constraints on Stellar Populations. 645, 44 (2006)
- See JORGENSEN, REGINA A., et al. The UCSD Radio-selected Quasar Survey for Damped Ly α Systems. 646, 730 (2006)
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- See COOKE, JEFF, et al. Survey for Galaxies Associated with $z \sim 3$ Damped Ly α Systems. II. Galaxy-Absorber Correlation Functions. 652, 994 (2006)
- See COOKE, JEFF, et al. Measurement of the Spatial Cross-Correlation Function of Damped Ly α Systems and Lyman Break Galaxies. 636, L9 (2006)
- See WEBB, TRACY M. A., et al. Star Formation in Distant Red Galaxies: *Spitzer* Observations in the Hubble Deep Field-South. 636, L17 (2006)
- The Physical Nature of Ly α -emitting Galaxies at $z = 3.1$. *Eric Gawiser, Pieter G. van Dokkum, Caryl Gronwall, Robin Ciardullo, Guillermo A. Blanc, Francisco J. Castander, John Feldmeier, Harold Francke, Marijn Franx, Lutz Haberkott, David Herrera, Thomas Hickey, Leopoldo Infante, Paulina Lira, José Maza, Ryan Quadri, Alexander Richardson, Kevin Schawinski, Mischa Schirmer, Edward N. Taylor, Ezequiel Treister, C. Megan Urry, and Shail N. Virani*. 642, L13 (2006)
- See KRIEK, MARISKA, et al. Spectroscopic Identification of Massive Galaxies at $z \sim 2.3$ with Strongly Suppressed Star Formation. 649, L71 (2006)
- GAYLEY, KENNETH G. See ONIFER, ANDREW J., et al. Wolf-Rayet Mass-Loss Limits Due to Frequency Redistribution. 636, 1054 (2006)
- GAZIZOV, A. Z. See BEREZINSKY, V., et al. Diffusion of Cosmic Rays in the Expanding Universe. I. 643, 8 (2006)
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- See VÁZQUEZ-SEMADENI, ENRIQUE, et al. Molecular Cloud Evolution. I. Molecular Cloud and Thin Cold Neutral Medium Sheet Formation. 643, 245 (2006)
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- The First Extrasolar Planet Discovered with a New-Generation High-Throughput Doppler Instrument. *Jian Ge, Julian van Eyken, Suvrath Mahadevan, Curtis DeWitt, Stephen R. Kane, Roger Cohen, Andrew Vanden Heuvel, Scott W. Fleming, Pengcheng Guo, Gregory W. Henry, Donald P. Schneider, Lawrence W. Ramsey, Robert A. Wittenmyer, Michael Endl, William D. Cochran, Eric B. Ford, Eduardo L. Martín, Garik Israelian, Jeff Valenti, and David Montes*. 648, 683 (2006)
- GEACH, J. E. A Panoramic Mid-Infrared Survey of Two Distant Clusters. *J. E. Geach, Ian Smail, R. S. Ellis, S. M. Moran, G. P. Smith, T. Treu, J.-P. Kneib, A. C. Edge, and T. Kodama*. 649, 661 (2006)
- See TAKATA, TADAFUMI, et al. Rest-Frame Optical Spectroscopic Classifications for Submillimeter Galaxies. 651, 713 (2006)
- GEBALLE, T. R. See BURGASSER, ADAM J., et al. A Unified Near-Infrared Spectral Classification Scheme for T Dwarfs. 637, 1067 (2006)
- See LYNCH, D. K., et al. Early Infrared Spectral Development of V1187 Scorpii (Nova Scorpii 2004 No. 2). 638, 987 (2006)
- See MASON, R. E., et al. Spatially Resolved Mid-Infrared Spectroscopy of NGC 1068: The Nature and Distribution of the Nuclear Material. 640, 612 (2006)
- The Interstellar Medium of IRAS 08572+3915 NW: H_2^+ and Warm High-Velocity CO. *T. R. Geballe, M. Goto, T. Usuda, T. Oka, and B. J. McCall*. 644, 907 (2006)
- See LIU, MICHAEL C., et al. SDSS J1534+1615AB: A Novel T Dwarf Binary Found with Keck Laser Guide Star Adaptive Optics and the Potential Role of Binarity in the L/T Transition. 647, 1393 (2006)
- The K-Band Spectrum of the Hot Star in IRS 8: An Outsider in the Galactic Center? *T. R. Geballe, F. Najjarro, F. Rigaut, and J.-R. Roy*. 652, 370 (2006)
- GEBAUER, J. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- GEBHARDT, KARL. See SARAJEDINI, VICKI L., et al. The DEEP Groth Strip Survey. VI. Spectroscopic, Variability, and X-Ray Detection of Active Galactic Nuclei. 166, 69 (2006)
- See McLAUGHLIN, DEAN E., et al. *Hubble Space Telescope* Proper Motions and Stellar Dynamics in the Core of the Globular Cluster 47 Tucanae. 166, 249 (2006)
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- GEERS, VINCENT. See KESSLER-SILACCI, JACQUELINE, et al. c2d *Spitzer* IRS Spectra of Disks around T Tauri Stars. I. Silicate Emission and Grain Growth. 639, 275 (2006)
- GEHA, M. See KALLIVAYALIL, NITYA, et al. The Proper Motion of the Large Magellanic Cloud Using *HST*. 638, 772 (2006)
- The Baryon Content of Extremely Low Mass Dwarf Galaxies. *M. Geha, M. R. Blanton, M. Masjedi, and A. A. West*. 653, 240 (2006)
- GEHRELS, N. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
- See BECKMANN, V., et al. The First *INTEGRAL* AGN Catalog. 638, 642 (2006)
- See VAUGHAN, S., et al. *Swift* Observations of the X-Ray-Bright GRB 050315. 638, 920 (2006)
- See MASON, K. O., et al. Prompt Optical Observations of GRB 050319 with the *Swift* UVOT. 639, 311 (2006)
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- See NOUSEK, J. A., et al. Evidence for a Canonical Gamma-Ray Burst Afterglow Light Curve in the *Swift* XRT Data. 642, 389 (2006)
- See SCHADY, P., et al. *Swift* UVOT Observations of X-Ray Flash 050406. 643, 276 (2006)
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- See KRIMM, H. A., et al. GRB 050717: A Long, Short-Lag, High-Peak Energy Burst Observed by *Swift* and Konus. 648, 1117 (2006)
- See LEVAN, A. J., et al. The First *Swift* X-Ray Flash: The Faint Afterglow of XRF 050215B. 648, 1132 (2006)
- See WILLINGALE, R., et al. *Swift* X-Ray Telescope Observations of the Deep Impact Collision. 649, 541 (2006)
- See BECKMANN, V., et al. The Hard X-Ray 20–40 keV AGN Luminosity Function. 652, 126 (2006)
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- See SAKAMOTO, T., et al. Confirmation of the $E_{\text{peak}}^{\text{iso}}-E_{\text{iso}}$ (Amati) Relation from the X-Ray Flash XRF 050416A Observed by the *Swift* Burst Alert Telescope. 636, L73 (2006)
- See PAGE, K. L., et al. GRB 050911: A Black Hole–Neutron Star Merger or a Naked GRB. 637, L13 (2006)
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- GEHRELS, NEIL. See HILL, JOANNE E., et al. GRB 050117: Simultaneous Gamma-Ray and X-Ray Observations with the *Swift* Satellite. 639, 303 (2006)
- See CUSUMANO, GIANCARLO, et al. *Swift* XRT Observations of the Afterglow of GRB 050319. 639, 316 (2006)
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- See GRUPE, DIRK, et al. *Swift* Observations of GRB 050603: An Afterglow with a Steep Late-Time Decay Slope. 645, 464 (2006)
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- See ROMING, PETER W. A., et al. Very Early Optical Afterglows of Gamma-Ray Bursts: Evidence for Relative Paucity of Detection. 652, 1416 (2006)
- See GRUPE, DIRK, et al. Jet Breaks in Short Gamma-Ray Bursts. I. The Uncollimated Afterglow of GRB 050724. 653, 462 (2006)
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- GEHRZ, R. D. See LYNCH, D. K., et al. Early Infrared Spectral Development of V1187 Scorpii (Nova Scorpii 2004 No. 2). 638, 987 (2006)
- See MARLEAU, F. R., et al. Mapping and Mass Measurement of the Cold Dust in NGC 205 with *Spitzer*. 646, 929 (2006)
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- See UETA, T., et al. Detection of a Far-Infrared Bow Shock Nebula around R Hya: The First MIRIAD Results. 648, L39 (2006)
- See BARMBY, P., et al. Dusty Waves on a Starry Sea: The Mid-Infrared View of M31. 650, L45 (2006)
- GEHRZ, ROBERT D. See BUCKALEW, BRENT A., et al. Understanding Radio-selected Thermal Sources in M33: Ultraviolet, Optical, Near-Infrared, *Spitzer* Mid-Infrared, and Radio Observations. 162, 329 (2006)
- See JACKSON, DALE C., et al. Hot Dust and Polycyclic Aromatic Hydrocarbon Emission at Low Metallicity: A *Spitzer* Survey of Local Group and Other Nearby Dwarf Galaxies. 646, 192 (2006)
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- See KELLEY, MICHAEL S., et al. A *Spitzer* Study of Comets 2P/Encke, 67P/Churyumov-Gerasimenko, and C/2001 HT50 (LINEAR-NEAT). 651, 1256 (2006)
- GEISLER, DOUG. See KIM, EUNHYEUK, et al. Low-Mass X-Ray Binaries in Six Elliptical Galaxies: Connection to Globular Clusters. 647, 276 (2006)
- GELBORD, J. See SCHWARTZ, D. A., et al. *Chandra* Observations of Magnetic Fields and Relativistic Beaming in Four Quasar Jets. 640, 592 (2006)
- GELBORD, J. M. See SCHWARTZ, D. A., et al. Discovery of an X-Ray Jet and Extended Jet Structure in the Quasar PKS 1055+201. 647, L107 (2006)
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- See BROGAN, C. L., et al. Discovery of 35 New Supernova Remnants in the Inner Galaxy. 639, L25 (2006)
- GELFAND, JOSEPH D. See RAKOWSKI, CARA E., et al. Can Ejecta-dominated Supernova Remnants be Typed from Their X-Ray Spectra? The Case of G337.2–0.7. 646, 982 (2006)
- GELINO, C. R. See MORALES-CALDERÓN, M., et al. A Sensitive Search for Variability in Late L Dwarfs: The Quest for Weather. 653, 1454 (2006)
- GELINO, D. M. See HYNES, R. I., et al. Further Evidence for Variable Synchrotron Emission in XTE J1118+480 in Outburst. 651, 401 (2006)
- GELINO, DAWN M. The Inclination Angle and Mass of the Black Hole in XTE J1118+480. Dawn M. Gelino, Şölen Balman, Ümit Kızıloğlu, Arda Yılmaz, Emrah Kalemci, and John A. Tomsick. 642, 438 (2006)
- See JORGENSEN, REGINA A., et al. The UCSD Radio-selected Quasar Survey for Damped Ly α Systems. 646, 730 (2006)
- GELLER, MARGARET J. See BROWN, WARREN R., et al. Hypervelocity Stars. I. The Spectroscopic Survey. 647, 303 (2006)
- See BROMLEY, BENJAMIN C., et al. Hypervelocity Stars: Predicting the Spectrum of Ejection Velocities. 653, 1194 (2006)
- See BROWN, WARREN R., et al. A Successful Targeted Search for Hypervelocity Stars. 640, L35 (2006)
- GENDA, H. See IKOMA, M., et al. On the Origin of HD 149026b. 650, 1150 (2006)
- GENDA, HIDEKAZU. See IKOMA, MASAHIRO, et al. Constraints on the Mass of a Habitable Planet with Water of Nebular Origin. 648, 696 (2006)
- GENIRE, B. See BOËR, M., et al. Detection of a Very Bright Optical Flare from the Gamma-Ray Burst GRB 050904 at Redshift 6.29. 638, L71 (2006)
- GÉNOVA-SANTOS, R. See BATTISTELLI, E. S., et al. Millimeter Observation of the SZ Effect in the Corona Borealis Supercluster. 645, 826 (2006)
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- GENZEL, R. See DASYRA, K. M., et al. Dynamical Properties of Ultraluminous Infrared Galaxies. I. Mass Ratio Conditions for ULIRG Activity in Interacting Pairs. 638, 745 (2006)
- See TACCONI, L. J., et al. High-Resolution Millimeter Imaging of Submillimeter Galaxies. 640, 228 (2006)
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- See VILLEUX, S., et al. A Deep *Hubble Space Telescope* H-Band Imaging Survey of Massive Gas-rich Mergers. 643, 707 (2006)
- See PAUMARD, T., et al. The Two Young Star Disks in the Central Parsec of the Galaxy: Properties, Dynamics, and Formation. 643, 1011 (2006)
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- See DASYRA, K. M., et al. Dynamical Properties of Ultraluminous Infrared Galaxies. II. Traces of Dynamical Evolution and End Products of Local Ultraluminous Mergers. 651, 835 (2006)
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- Georganopoulos, A. Akylas, A. Zezas, and P. Tzanavaris. 641, L101 (2006)
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- Quasar X-Ray Jets: Gamma-Ray Diagnostics of the Synchrotron and Inverse Compton Hypotheses: The Case of 3C 273. Markos Georganopoulos, Eric S. Perlman, Demosthenes Kazanas, and Julie McEnery. 653, L5 (2006)
- GEORGANOPOULOS, I. See GEORGAKAKIS, A., et al. X-Ray Number Counts of Normal Galaxies. 641, L101 (2006)
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- GEORGE, KOSHY. A Late, Infrared Flash from the Afterglow of GRB 050319. Koshy George, Dipankar P. K. Banerjee, Thyagarajan Chandrasekhar, and Nagarhalli M. Ashok. 640, L13 (2006)
- GEORGIEV, LEONID N. Iron Depletion in the Hot Bubbles in Planetary Nebulae. Leonid N. Georgiev, Michael G. Richer, Anabel Arrieta, and Svetozar A. Zhekov. 639, 185 (2006)
- GEORGIOULIS, MANOLIS K. Reconstruction of an Inductive Velocity Field Vector from Doppler Motions and a Pair of Solar Vector Magnetograms. Manolis K. Georgioulis and Barry J. LaBonte. 636, 475 (2006)
- GERAKINES, P. A. See ABBAS, M. M., et al. Photoelectric Emission Measurements on the Analogs of Individual Cosmic Dust Grains. 645, 324 (2006)
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- GERARDY, CHRISTOPHER L. See QUIMBY, ROBERT, et al. SN 2005cg: Explosion Physics and Circumstellar Interaction of a Normal Type Ia Supernova in a Low-Luminosity Host. 636, 400 (2006)
- See FESEN, ROBERT A., et al. Discovery of Outlying High-Velocity Oxygen-Rich Ejecta in Cassiopeia A. 636, 859 (2006)
- See FESEN, ROBERT A., et al. The Expansion Asymmetry and Age of the Cassiopeia A Supernova Remnant. 645, 283 (2006)
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- GERBETH, GUNTER. See RÜDIGER, GÜNTHER, et al. The Traveling-Wave MRI in Cylindrical Taylor-Couette Flow: Comparing Wavelengths and Speeds in Theory and Experiment. 649, L145 (2006)
- GERGELY, LÁSZLÓ Á. An Efficient Method for the Evaluation of Secular Effects in the Perturbed Keplerian Motion. László Á. Gergely, Zoltán Keresztes, and Balázs Mikóczi. 167, 286 (2006)
- GERHARD, O. See IODICE, E., et al. Stellar Kinematics for the Central Spheroid in the Polar Disk Galaxy NGC 4650A. 643, 200 (2006)
- GERIN, M. See LIS, D. C., et al. Ground State Rotational Lines of Doubly Deuterated Ammonia as Tracers of the Physical Conditions and Chemistry of Cold Interstellar Medium. 636, 916 (2006)
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- GEZARI, S. Ultraviolet Detection of the Tidal Disruption of a Star by a Supermassive Black Hole. S. Gezari, D. C. Martin, B. Milliard, S. Basa, J. P. Halpern, K. Forster, P. G. Friedman, P. Morrissey, S. G. Neff, D. Schiminovich, M. Seibert, T. Small, and T. K. Wyder. 653, L25 (2006)
- GHAVAMIAN, P. See PIETSCH, W., et al. M33 X-7: ChASeM33 Reveals the First Eclipsing Black Hole X-Ray Binary. 646, 420 (2006)
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- See BORKOWSKI, KAZIMIERZ J., et al. Dust Destruction in Type Ia Supernova Remnants in the Large Magellanic Cloud. 642, L141 (2006)
- See WILLIAMS, BRIAN J., et al. Dust Destruction in Fast Shocks of Core-Collapse Supernova Remnants in the Large Magellanic Cloud. 652, L33 (2006)
- GHEZ, A. M. See MCCABE, C., et al. Investigating Disk Evolution: A High Spatial Resolution Mid-Infrared Survey of T Tauri Stars. 636, 932 (2006)
- GHIGO, FRANK D. See RICKETT, BARNEY J., et al. Interstellar Scintillation Observations of 146 Extragalactic Radio Sources. 165, 439 (2006)
- GHOSH, HIMEL. See BENTZ, MISTY C., et al. A Reverberation-based Mass for the Central Black Hole in NGC 4151. 651, 775 (2006)
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- GHOSH, KAJAL K. On the Nature of the Ultraluminous X-Ray Transient in Cen A (NGC 5128). Kajal K. Ghosh, Mark H. Finger, Douglas A. Swartz, Allyn F. Tennant, and Kinwah Wu. 640, 459 (2006)
- See SWARTZ, DOUGLAS A., et al. *Chandra* Observations of Circumnuclear Star Formation in NGC 3351. 647, 1030 (2006)
- Discovery of a 3.6 hr Eclipsing Luminous X-Ray Binary in the Galaxy NGC 4214. Kajal K. Ghosh, Saul Rappaport, Allyn F. Tennant, Douglas A. Swartz, David Pooley, and N. Madhusudhan. 650, 872 (2006)
- GHOSH, S. K. See VIG, S., et al. Infrared and Radio Study of Star-forming Regions Associated with IRAS 19111+1048 and IRAS 19110+1045. 637, 400 (2006)
- GIACALONE, J. See PEI, C., et al. Effect of a Random Magnetic Field on the Onset Times of Solar Particle Events. 641, 1222 (2006)
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- GIALONGO, E. See MENCI, N., et al. The Abundance of Distant and Extremely Red Galaxies: The Role of AGN Feedback in Hierarchical Models. 647, 753 (2006)
- GIAMPAPA, MARK S. A Survey of Chromospheric Activity in the Solar-Type Stars in the Open Cluster M67. Mark S. Giampapa, Jeffrey C. Hall, Richard R. Radick, and Sallie L. Balunas. 651, 444 (2006)
- GIANNITRAPANI, R. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
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- See PAPOVICH, C., et al. *Spitzer* Observations of Massive, Red Galaxies at High Redshift. 640, 92 (2006)
- See SCHMITT, H. R., et al. Ultraviolet-to-Far-Infrared Properties of Local Star-forming Galaxies. 643, 173 (2006)

- GIVALISCO, MAURO. See LOTZ, JENNIFER M., et al. The Rest-Frame Far-Ultraviolet Morphologies of Star-forming Galaxies at $z \sim 1.5$ and 4. 636, 592 (2006)
- See LEE, KYOUNG-SOO, et al. The Large-Scale and Small-Scale Clustering of Lyman Break Galaxies at $3.5 \leq z \leq 5.5$ from the GOODS Survey. 642, 63 (2006)
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- See RAVINDRANATH, SWARA, et al. The Morphological Diversities among Star-forming Galaxies at High Redshifts in the Great Observatories Origins Deep Survey. 652, 963 (2006)
- GIBB, E. L. Post-Outburst Infrared Spectra of V1647 Ori, the Illuminating Star of McNeil's Nebula. E. L. Gibb, T. W. Rettig, S. D. Brittain, D. Wasikowski, Theodore Simon, William D. Vacca, Michael C. Cushing, and C. Kulesa. 641, 383 (2006)
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- See GORDON, K. D., et al. *Spitzer* MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure. 638, L87 (2006)
- See THOM, C., et al. The Galactic Nature of High-Velocity Cloud Complex WB. 638, L97 (2006)
- GIBSON, BRAD K. See BROOK, CHRIS B., et al. Disk Evolution since $z \sim 1$ in a Λ CDM Universe. 639, 126 (2006)
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- GIBSON, D. L. See RAGAN, S. E., et al. Molecular Line Observations of Infrared Dark Clouds: Seeking the Precursors to Intermediate and Massive Star Formation. 166, 567 (2006)
- GIBSON, S. E. The Calm before the Storm: The Link between Quiescent Cavities and Coronal Mass Ejections. S. E. Gibson, D. Foster, J. Burkepile, G. de Toma, and A. Stanger. 641, 590 (2006)
- The Partial Expulsion of a Magnetic Flux Rope. S. E. Gibson and Y. Fan. 637, L65 (2006)
- See FAN, Y., et al. On the Nature of the X-Ray Bright Core in a Stable Filament Channel. 641, L149 (2006)
- GIBSON, STEVEN J. Erratum: "The Pleiades Reflection Nebula. II. Simple Model Constraints on Dust Properties and Scattering Geometry" (ApJ, 589, 362 [2003]). Steven J. Gibson and Kenneth H. Nordsieck. 643, 582 (2006)
- GIEBELS, B. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- GIEREN, W. See SOSZYŃSKI, L., et al. The Araucaria Project: Distance to the Local Group Galaxy NGC 3109 from Near-Infrared Photometry of Cepheids. 648, 375 (2006)
- GIEREN, WOLFGANG. See RIZZI, LUCA, et al. The Araucaria Project: The Distance to NGC 300 from the Red Giant Branch Tip Using *HST* ACS Imaging. 638, 766 (2006)
- See PIETRZYŃSKI, GRZEGORZ, et al. The Araucaria Project: The Distance to the Local Group Galaxy IC 1613 from Near-Infrared Photometry of Cepheid Variables. 642, 216 (2006)
- See FERNÁNDEZ, JOSÉ MIGUEL, et al. Millimagnitude Optical Photometry for the Transiting Planetary Candidate OGLE-TR-109. 647, 587 (2006)
- The Araucaria Project: An Accurate Distance to the Local Group Galaxy NGC 6822 from Near-Infrared Photometry of Cepheid Variables. Wolfgang Gieren, Grzegorz Pietrzyński, Krzysztof Nalewajko, Igor Soszyński, Fabio Bresolin, Rolf-Peter Kudritzki, Dante Minniti, and Aaron Romanowsky. 647, 1056 (2006)
- See PIETRZYŃSKI, GRZEGORZ, et al. The Araucaria Project: A Wide-Field Photometric Survey for Cepheid Variables in NGC 3109. 648, 366 (2006)
- See BRESOLIN, FABIO, et al. The Araucaria Project: VLT Spectra of Blue Supergiants in WLM—Classification and First Abundances. 648, 1007 (2006)
- GIES, D. R. See BERGER, D. H., et al. First Results from the CHARA Array. IV. The Interferometric Radii of Low-Mass Stars. 644, 475 (2006)
- See BOYAJIAN, T. S., et al. The B Supergiant Components of the Double-lined Binary HD 1383. 646, 1209 (2006)
- See HUANG, W., et al. Stellar Rotation in Young Clusters. I. Evolution of Projected Rotational Velocity Distributions. 648, 580 (2006)
- See HUANG, W., et al. Stellar Rotation in Young Clusters. II. Evolution of Stellar Rotation and Surface Helium Abundance. 648, 591 (2006)
- GIES, DOUGLAS R. See HILLWIG, TODD C., et al. Binary and Multiple O-Type Stars in the Cassiopeia OB6 Association. 639, 1069 (2006)
- See GRUNDSTROM, ERIKA D., et al. Estimating Be Star Disk Radii using H α Emission Equivalent Widths. 651, L53 (2006)
- GIL, JANUSZ. Formation of a Partially Screened Inner Acceleration Region in Radio Pulsars: Drifting Subpulses and Thermal X-Ray Emission from Polar Cap Surface. Janusz Gil, George Melikidze, and Bing Zhang. 650, 1048 (2006)
- GILBERT, A. See FÖRSTER SCHREIBER, N. M., et al. SINFONI Integral Field Spectroscopy of $z \sim 2$ UV-selected Galaxies: Rotation Curves and Dynamical Evolution. 645, 1062 (2006)
- See NESVADBA, N. P. H., et al. Extreme Gas Kinematics in the $z = 2.2$ Powerful Radio Galaxy MRC 1138-262: Evidence for Efficient Active Galactic Nucleus Feedback in the Early Universe? 650, 693 (2006)
- GILBERT, ANDREA M. See TANNER, ANGELLE, et al. High Spectral Resolution Observations of the Massive Stars in the Galactic Center. 641, 891 (2006)
- GILBERT, HOLLY R. Application of a New Technique for Deriving Prominence Mass from *SOHO* EIT Fe XII (19.5 nm) Absorption Features. Holly R. Gilbert, Lauren E. Falco, Thomas E. Holzer, and R. M. MacQueen. 641, 606 (2006)
- See ALEXANDER, DAVID, et al. Hard X-Ray Production in a Failed Filament Eruption. 653, 719 (2006)
- GILBERT, KAROLINE M. See KALIRAI, JASONJOT S., et al. Kinematics and Metallicity of M31 Red Giants: The Giant Southern Stream and Discovery of a Second Cold Component at $R = 20$ kpc. 641, 268 (2006)
- See KALIRAI, JASONJOT S., et al. The Metal-poor Halo of the Andromeda Spiral Galaxy (M31). 648, 389 (2006)
- A New Method for Isolating M31 Red Giant Stars: The Discovery of Stars out to a Radial Distance of 165 kpc. Karoline M. Gilbert, Paragra Guhathakurta, Jasonjot S. Kalirai, R. Michael Rich, Steven R. Majewski, James C. Ostriker, David B. Reitzel, A. Javier Cenarro, Michael C. Cooper, Caryn Luine, and Richard J. Patterson. 652, 1188 (2006)
- GILBREATH, G. C. See PETERSON, D. M., et al. Resolving the Effects of Rotation in Altair with Long-Baseline Interferometry. 636, 1087 (2006)
- GIL DE PAZ, A. See IGLESIAS-PÁRAMO, J., et al. Star Formation in the Nearby Universe: The Ultraviolet and Infrared Points of View. 164, 38 (2006)
- See CORTESE, L., et al. UV Dust Attenuation in Normal Star-Forming Galaxies. I. Estimating the $L_{\text{TIR}}/L_{\text{FUV}}$ Ratio. 637, 242 (2006)
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- See BOSELLI, A., et al. The Fate of Spiral Galaxies in Clusters: The Star Formation History of the Anemic Virgo Cluster Galaxy NGC 4569. 651, 811 (2006)
- GIL DE PAZ, ARMANDO. See PÉREZ-GONZÁLEZ, PABLO G., et al. Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031). 648, 987 (2006)
- See PÉREZ-GONZÁLEZ, PABLO G., et al. Erratum: "Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031)" (ApJ, 648, 987 [2006]). 653, 812 (2006)
- GILLANDERS, G. H. See REBILLLOT, P. F., et al. Multiwavelength Observations of the Blazar Markarian 421 in 2002 December and 2003 January. 641, 740 (2006)
- See PERKINS, J. S., et al. TeV Gamma-Ray Observations of the Perseus and Abell 2029 Galaxy Clusters. 644, 148 (2006)
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- GILLER, M. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)

- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- GILLES, S. See ALDERING, G., et al. Nearby Supernova Factory Observations of SN 2005gj: Another Type Ia Supernova in a Massive Circumstellar Envelope. 650, 510 (2006)
- GILLESPIE, BRUCE. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- GILLESSEN, S. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- See PAUMARD, T., et al. The Two Young Star Disks in the Central Parsec of the Galaxy: Properties, Dynamics, and Formation. 643, 1011 (2006)
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- Variations in the Spectral Slope of Sagittarius A* during a Near-Infrared Flare. S. Gillessen, F. Eisenhauer, E. Quataert, R. Genzel, T. Paumard, S. Trippe, T. Ott, R. Abuter, A. Eckart, P. O. Lagage, M. D. Lehnert, L. J. Tacconi, and F. Martins. 640, L163 (2006)
- See MARTINS, F., et al. GCIRS 16SW: A Massive Eclipsing Binary in the Galactic Center. 649, L103 (2006)
- GILLESSEN, STEFAN. See BELOBORODOV, ANDREI M., et al. Clockwise Stellar Disk and the Dark Mass in the Galactic Center. 648, 405 (2006)
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- GILLI, R. See CHIABERGE, M., et al. Low Radiative Efficiency Accretion at Work in Active Galactic Nuclei: The Nuclear Spectral Energy Distribution of NGC 4565. 651, 728 (2006)
- GILLILAND, R. L. See KNIGGE, C., et al. A Blue Straggler Binary with Three Progenitors in the Core of a Globular Cluster? 641, 281 (2006)
- GILLILAND, RON. See CLOCCIATTI, ALEJANDRO, et al. *Hubble Space Telescope* and Ground-based Observations of Type Ia Supernovae at Redshift 0.5: Cosmological Implications. 642, 1 (2006)
- GILLMON, KRISTEN. A *FUSE* Survey of Interstellar Molecular Hydrogen toward High-Latitude AGNs. Kristen Gillmon, J. Michael Shull, Jason Tumlinson, and Charles Danforth. 636, 891 (2006)
- Molecular Hydrogen in Infrared Cirrus. Kristen Gillmon and J. Michael Shull. 636, 908 (2006)
- GILMAN, PETER A. See DIKPATI, MAUSUMI, et al. Penetration of Dynamo-generated Magnetic Fields into the Sun's Radiative Interior. 638, 564 (2006)
- See DIKPATI, MAUSUMI, et al. Simulating and Predicting Solar Cycles Using a Flux-Transport Dynamo. 649, 498 (2006)
- GIL-MERINO, R. See MEDIAVILLA, E., et al. A Fast and Very Accurate Approach to the Computation of Microlensing Magnification Patterns Based on Inverse Polygon Mapping. 653, 942 (2006)
- GIL-MERINO, RODRIGO. Seeing Star Formation Regions with Gravitational Microlensing. Rodrigo Gil-Merino and Geraint F. Lewis. 643, 260 (2006)
- See LEWIS, GERAINT F., et al. Quasar Microlensing: When Compact Masses Mimic Smooth Matter. 645, 835 (2006)
- GILMORE, DIANE. See TANNER, ANGELLE, et al. High Spectral Resolution Observations of the Massive Stars in the Galactic Center. 641, 891 (2006)
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- See ZUCKER, D. B., et al. A New Milky Way Dwarf Satellite in Canes Venatici. 643, L103 (2006)
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- See ZUCKER, D. B., et al. A Curious Milky Way Satellite in Ursa Major. 650, L41 (2006)
- GILMORE, GERARD. See WYSE, ROSEMARY F. G., et al. Further Evidence of a Merger Origin for the Thick Disk: Galactic Stars along Lines of Sight to Dwarf Spheroidal Galaxies. 639, L13 (2006)
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- GIMÉNEZ, ALVARO. Equations for the Analysis of the Rossiter-McLaughlin Effect in Extrasolar Planetary Transits. Alvaro Giménez. 650, 408 (2006)
- GIOIA, ISABELLA M. See HENRY, J. PATRICK, et al. The ROSAT North Ecliptic Pole Survey: The X-Ray Catalog. 162, 304 (2006)
- GIOMMI, P. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
- See VAUGHAN, S., et al. *Swift* Observations of the X-Ray-Bright GRB 050315. 638, 920 (2006)
- See FALCONE, A. D., et al. The Giant X-Ray Flare of GRB 050502B: Evidence for Late-Time Internal Engine Activity. 641, 1010 (2006)
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- See O'BRIEN, P. T., et al. The Early X-Ray Emission from GRBs. 647, 1213 (2006)
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- GIROLETTI, M. A Sample of Low-Redshift BL Lacertae Objects. II. EVN and MERLIN Data and Multiwavelength Analysis. M. Giroletti, G. Giovannini, G. B. Taylor, and R. Falomo. 646, 801 (2006)
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- in Intermediate-Redshift Galaxy Clusters: A Significant but Extreme Butcher-Oemler Population. 636, L13 (2006)
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- See ASSEF, R. J., et al. Removing the Microlensing Blending-Parallax Degeneracy Using Source Variability. 649, 954 (2006)
- GLIKMAN, EILAT. A Near-Infrared Spectral Template for Quasars. *Eilat Glikman, David J. Helfand, and Richard L. White*. 640, 579 (2006)
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- Long-Term X-Ray and TeV Variability of Mrk 501. *M. Gliozzi, R. M. Sambruna, I. Jung, H. Krawczynski, D. Horan, and F. Tavecchio*. 646, 61 (2006)
- GLIOZZI, MARIO. See SAMBRUNA, RITA M., et al. Deep *Chandra* and Multicolor *HST* Follow-up of the Jets in Two Powerful Radio Quasars. 641, 717 (2006)
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- Anisotropic Beams of Energetic Particles Upstream from the Termination Shock of the Solar Wind. *G. Gloeckler and L. A. Fisk*. 648, L63 (2006)
- GLOVER, S. C. Cosmological Implications of the Uncertainty in H^- Destruction Rate Coefficients. *S. C. Glover, D. W. Savin, and A.-K. Jappsen*. 640, 553 (2006)
- GNEDIN, NICKOLAY Y. Fossils of Reionization in the Local Group. *Nickolay Y. Gnedin and Andrey V. Kravtsov*. 645, 1054 (2006)
- Cosmic Reionization Redux. *Nickolay Y. Gnedin and Xiaohui Fan*. 648, 1 (2006)
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- See NOUSEK, J. A., et al. Evidence for a Canonical Gamma-Ray Burst Afterglow Light Curve in the *Swift* XRT Data. 642, 389 (2006)
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- See O'BRIEN, P. T., et al. The Early X-Ray Emission from GRBs. 647, 1213 (2006)
- See LEVAN, A. J., et al. The First *Swift* X-Ray Flash: The Faint Afterglow of XRF 050215B. 648, 1132 (2006)
- See BODE, M. F., et al. *Swift* Observations of the 2006 Outburst of the Recurrent Nova RS Ophiuchi. I. Early X-Ray Emission from the Shocked Ejecta and Red Giant Wind. 652, 629 (2006)
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- GODET, O. See VAUGHAN, S., et al. *Swift* Observations of the X-Ray-Bright GRB 050315. 638, 920 (2006)
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- See NOUSEK, J. A., et al. Evidence for a Canonical Gamma-Ray Burst Afterglow Light Curve in the *Swift* XRT Data. 642, 389 (2006)
- See O'BRIEN, P. T., et al. The Early X-Ray Emission from GRBs. 647, 1213 (2006)
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- See SCHWARTZ, D. A., et al. Discovery of an X-Ray Jet and Extended Jet Structure in the Quasar PKS 1055+201. 647, L107 (2006)
- GODON, PATRICK. *Hubble Space Telescope* STIS Spectroscopy and Modeling of the Long-Term Cooling of WZ Sagittae following the 2001 July Outburst. *Patrick Godon, Edward M. Sion, Fuhua Cheng, Knox S. Long, Boris T. Gänsicke, and Paula Szkody*. 642, 1018 (2006)
- GOEBEL, F. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
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- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
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- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
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- GÖĞÜŞ, E. See YOST, S. A., et al. Optical Light Curve and Cooling Break of GRB 050502A. 636, 959 (2006)
- See QUIMBY, R. M., et al. Early-Time Observations of the GRB 050319 Optical Transient. 640, 402 (2006)
- See ERTAN, Ü., et al. X-Ray and Infrared Enhancement of Anomalous X-Ray Pulsar 1E 2259+586. 640, 435 (2006)
- GÖĞÜŞ, E. See RYKOFF, E. S., et al. The Anomalous Early Afterglow of GRB 050801. 638, L5 (2006)
- GÖĞÜŞ, ERSIN. Erratum: "*Chandra* Localization of XTE J1906+090 and Discovery of Its Optical and Infrared Counterparts" (ApJ, 632, 1069 [2005]). *Ersin Göğüş, Sandeep K. Patel, Colleen A. Wilson, Peter M. Woods, Mark H. Finger, and Chryssa Kouveliotou*. 637, 553 (2006)
- GOICOECHEA, JAVIER R. See CERNICARO, JOSÉ, et al. Warm Water Vapor around Sagittarius B2. 642, 940 (2006)
- Far-Infrared Excited Hydroxyl Lines from Orion KL Outflows. *Javier R. Goicoechea, José Cernicharo, Mercedes R. Lerate, Fabien Daniel, Michael J. Barlow, Bruce M. Swinyard, Tanya L. Lim, Serena Viti, and Jeremy Yates*. 641, L49 (2006)
- See CERNICARO, JOSÉ, et al. The Water Vapor Abundance in Orion KL Outflows. 649, L33 (2006)
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- Analysis of Type Ia Supernovae with CMAGIC: Using Color Information to Verify the Acceleration of the Universe. 644, 1 (2006)
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- GOLDIN, A. Unconstrained Astrometric Orbits for *Hipparcos* Stars with Stochastic Solutions. *A. Goldin and V. V. Makarov*. 166, 341 (2006)
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- See SARI, RE'EM, et al. Spherical Accretion. 642, L65 (2006)
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- GOLDWURM, A. See BÉLANGER, G., et al. A Persistent High-Energy Flux from the Heart of the Milky Way: *INTEGRAL*'s View of the Galactic Center. 636, 275 (2006)
- See YUSEF-ZADEH, F., et al. A Multiwavelength Study of Sgr A*: The Role of Near-IR Flares in Production of X-Ray, Soft γ -Ray, and Submillimeter Emission. 644, 198 (2006)
- GOLENETSKII, S. See PEDERSEN, K., et al. Multiwavelength Studies of the Optically Dark Gamma-Ray Burst 001025A. 636, 381 (2006)
- See KRIMM, H. A., et al. GRB 050717: A Long, Short-Lag, High-Peak Energy Burst Observed by *Swift* and *Konus*. 648, 1117 (2006)
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- See MEI, S., et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Blue Early-Type Galaxies and Red Pairs in RDCS J0910+5422. 639, 81 (2006)
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- GOLWALA, SUNIL. See ENOCH, MELISSA L., et al. Bolocam Survey for 1.1 mm Dust Continuum Emission in the c2d Legacy Clouds. I. Perseus. 638, 293 (2006)
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- See CURIEL, S., et al. Large Proper Motions in the Jet of the High-Mass YSO Cepheus A HW2. 638, 878 (2006)
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- GÓMEZ, JOSÉ F. See DE GREGORIO-MONSALVO, ITZIAR, et al. CCS and NH₃ Emission Associated with Low-Mass Young Stellar Objects. 642, 319 (2006)
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- GÓMEZ-ÁLVAREZ, P. Recurrence of the Blue Wing Enhancements in the High-Ionization Lines of SDSS 1004+4112A. *P. Gómez-Álvarez, E. Mediavilla, J. A. Muñoz, S. Arribus, S. F. Sánchez, A. Oscoz, F. Prada, and M. Serra-Ricart*. 645, L5 (2006)
- GONZALEZ, A. H. See BRODWIN, M., et al. Photometric Redshifts in the IRAC Shallow Survey. 651, 791 (2006)
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- See ELSTON, RICHARD J., et al. The FLAMINGOS Extragalactic Survey. 639, 816 (2006)
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- See ZARITSKY, DENNIS, et al. Local Group Dwarf Galaxies and the Fundamental Manifold of Spheroids. 642, L37 (2006)
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- GONZÁLEZ, M. E. *Chandra* and *XMM-Newton* Observations of the Vela-like Pulsar B1046-58. *M. E. Gonzalez, V. M. Kaspi, M. J. Pivovarov, and B. M. Gaensler*. 652, 569 (2006)
- GONZÁLEZ, RICARDO F. See VÁZQUEZ-SEMADENI, ENRIQUE, et al. Molecular Cloud Evolution. I. Molecular Cloud and Thin Cold Neutral Medium Sheet Formation. 643, 245 (2006)
- GONZÁLEZ, SERGIO. See FOLATELLI, GASTÓN, et al. SN 2005bf: A Possible Transition Event between Type Ib/c Supernovae and Gamma-Ray Bursts. 641, 1039 (2006)
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- GONZÁLEZ-GARCÍA, A. CESAR. See STANGHELLINI, LETIZIA, et al. Merging of Elliptical Galaxies as a Possible Origin of the Intergalactic Stellar Population. 644, 843 (2006)
- GONZÁLEZ HERNÁNDEZ, I. Meridional Circulation Variability from Large-Aperture Ring-Diagram Analysis of Global Oscillation Network Group and Michelson Doppler Imager Data. *I. González Hernández, R. Komm, F. Hill, R. Howe, T. Corbard, and D. A. Haber*. 638, 576 (2006)
- GONZÁLEZ HERNÁNDEZ, JONAY I. XTE J1118+480: A Metal-rich Black Hole Binary in the Galactic Halo. *Jonay I. González Hernández, Rafael Rebolo, Garik Israelian, Emiliós T. Harlaftis, Alexei V. Filippenko, and Ryan Chornock*. 644, L49 (2006)
- GONZÁLEZ-MARTÍN, O. See DELGADO, A. J., et al. Multiwavelength Analysis of the Young Open Cluster NGC 2362. 646, 269 (2006)
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- Chandra* and *Spitzer* Unveil Heavily Obscured Quasars in the *Chandra* SWIRE Survey. 642, 673 (2006)
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- GOODMAN, J. Fitting Formula for Flux Scintillation of Compact Radio Sources. *J. Goodman and R. Narayan*. 636, 510 (2006)
- GOODMAN, JEREMY. See LIU, WEI, et al. Simulations of Magnetorotational Instability in a Magnetized Couette Flow. 643, 306 (2006)
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- GOODMAN, MICHAEL L. See KAZEMINEZHAD, FARZAD, et al. Magnetohydrodynamic Simulations of Solar Chromospheric Dynamics Using a Complete Electrical Conductivity Tensor. 166, 613 (2006)
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- GOPALSWAMY, NATCHIMUTHUK. See NITTA, NARIAKI V., et al. Solar Sources of Impulsive Solar Energetic Particle Events and Their Magnetic Field Connection to the Earth. 650, 438 (2006)
- GORCZYCA, T. W. See BRYANS, P., et al. Collisional Ionization Equilibrium for Optically Thin Plasmas. I. Updated Recombination Rate Coefficients for Bare through Sodium-like Ions. 167, 343 (2006)
- Importance of Configuration Interaction for Accurate Atomic Data: Fluorescence Yields of K-Shell Vacancy, Lithium-like Ions. T. W. Gorczyca, I. Dumitriu, M. F. Hasoğlu, K. T. Korista, N. R. Badnell, D. W. Savin, and S. T. Manson. 638, L121 (2006)
- See HASOĞLU, M. F., et al. Strong *LSJ* Dependence of Fluorescence Yields: Breakdown of the Configuration-Average Approximation. 649, L149 (2006)
- GORCZYCA, THOMAS W. See JUETT, ADRIENNE M., et al. High-Resolution X-Ray Spectroscopy of the Interstellar Medium. II. Neon and Iron Absorption Edges. 648, 1066 (2006)
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- See MURPHY, E. J., et al. An Initial Look at the Far-Infrared–Radio Correlation within Nearby Star-forming Galaxies Using the *Spitzer Space Telescope*. 638, 157 (2006)
- See DALE, D. A., et al. Mid-Infrared Spectral Diagnostics of Nuclear and Extranuclear Regions in Nearby Galaxies. 646, 161 (2006)
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- Spitzer* MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure. K. D. Gordon, J. Bailin, C. W. Engelbracht, G. H. Rieke, K. A. Misselt, W. B. Latter, E. T. Young, M. L. N. Ashby, P. Barmby, B. K. Gibson, D. C. Hines, J. Hinz, O. Krause, D. A. Levine, F. R. Marleau, A. Noriega-Crespo, S. Stolovy, D. A. Thilker, and M. W. Werner. 638, L87 (2006)
- See ENGELBRACHT, C. W., et al. Extended Mid-Infrared Aromatic Feature Emission in M82. 642, L127 (2006)
- See BARMBY, P., et al. Dusty Waves on a Starry Sea: The Mid-Infrared View of M31. 650, L45 (2006)
- GORDON, KARL D. See BUCKALEW, BRENT A., et al. Understanding Radio-selected Thermal Sources in M33: Ultraviolet, Optical, Near-Infrared, *Spitzer* Mid-Infrared, and Radio Observations. 162, 329 (2006)
- See WITT, ADOLF N., et al. The Excitation of Extended Red Emission: New Constraints on Its Carrier from *Hubble Space Telescope* Observations of NGC 7023. 636, 303 (2006)
- See SOFIA, ULYSSES J., et al. Probing the Dust Responsible for Small Magellanic Cloud Extinction. 636, 753 (2006)
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- See REGAN, MICHAEL W., et al. The Radial Distribution of the Interstellar Medium in Disk Galaxies: Evidence for Secular Evolution. 652, 1112 (2006)
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- See PÉREZ-GONZÁLEZ, PABLO G., et al. Erratum: “Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031)” (ApJ, 648, 987 [2006]). 653, 812 (2006)
- GORDOVSKYY, MYKOLA. See ZHARKOVA, VALENTINA V., et al. The Effect of the Electric Field Induced by Precipitating Electron Beams on Hard X-Ray Photon and Mean Electron Spectra. 651, 553 (2006)
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- GORET, P. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- See FÖROT, M., et al. High-Energy Particles in the Wind Nebula of Pulsar B1509–58 as Seen by *INTEGRAL*. 651, L45 (2006)
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- On the CO Near-Infrared Band and the Line-splitting Phenomenon in the Yellow Hypergiant ρ Cassiopeiae. Nadya Gorlova, Alex Lobel, Adam J. Burgasser, George H. Rieke, Ilya Ilyin, and John R. Stauffer. 651, 1130 (2006)
- GOROSABEL, J. See PEDERSEN, K., et al. Multiwavelength Studies of the Optically Dark Gamma-Ray Burst 001025A. 636, 381 (2006)
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- See DE UGARTE POSTIGO, A., et al. GRB 060121: Implications of a Short-/Intermediate-Duration γ -Ray Burst at High Redshift. 648, L83 (2006)
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- Observations of GRB 030115 and its Extremely Red Host Galaxy: Implications for Dark Bursts. 647, 471 (2006)
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- GÓRSKI, K. M. See ERIKSEN, H. K., et al. Cosmic Microwave Background Component Separation by Parameter Estimation. 641, 665 (2006)
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- See HANSEN, F. K., et al. Foreground Subtraction of Cosmic Microwave Background Maps Using WI-FIT (Wavelet-Based High-Resolution Fitting of Internal Templates). 648, 784 (2006)
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- GOSLING, J. T. Petschek-Type Reconnection Exhausts in the Solar Wind Well beyond 1 AU: *Ulysses*, *J. T. Gosling, S. Eriksson, R. M. Skoug, D. J. McComas, and R. J. Forsyth*. 644, 613 (2006)
- GOSS, W. M. See BALSER, DANA S., et al. The Detection of $^3\text{He}^+$ in a Planetary Nebula Using the VLA. 640, 360 (2006)
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- See RAMACHANDRAN, R., et al. Intrinsic Short-Timescale Variability in W3(OH) Hydroxyl Masers. 653, 1314 (2006)
- See ARAYA, E., et al. A New Galactic 6 cm Formaldehyde Maser. 643, L33 (2006)
- See BOWER, GEOFFREY C., et al. The Intrinsic Size of Sagittarius A* from 0.35 to 6 cm. 648, L127 (2006)
- GOTO, JUNYA. See TAKAHASHI, MASAOKI, et al. Standing Shocks in Transmagnetosonic Accretion Flows onto a Black Hole. 645, 1408 (2006)
- GOTO, M. See GEBALLE, T. R., et al. The Interstellar Medium of IRAS 08572+3915 NW: H γ and Warm High-Velocity CO. 644, 907 (2006)
- High-Resolution Infrared Imaging of Herschel 36 SE: A Showcase for the Influence of Massive Stars in Cluster Environments. *M. Goto, B. Stecklum, H. Linz, M. Feldt, Th. Henning, I. Pascucci, and T. Usuda*. 649, 299 (2006)
- Inner Rim of a Molecular Disk Spatially Resolved in Infrared CO Emission Lines. *M. Goto, T. Usuda, C. P. Dullemond, Th. Henning, H. Linz, B. Stecklum, and H. Suto*. 652, 758 (2006)
- GOTO, T. See OVERZIER, RODERIK A., et al. Clustering of Star-forming Galaxies Near a Radio Galaxy at $z = 5.2$. 637, 58 (2006)
- See MEI, S., et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Blue Early-Type Galaxies and Red Pairs in RDCS J0910+5422. 639, 81 (2006)
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- GOTT, J. RICHARD, III. See BERLIND, ANDREAS A., et al. Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. 167, 1 (2006)
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- See CHEN, YANG, et al. *Chandra* ACIS Spectroscopy of N157B: A Young Composite Supernova Remnant in a Superbubble. 651, 237 (2006)
- See TAM, C. R., et al. *Chandra* Observations of the Transient 7 s X-ray Pulsar AX J1845.0–0258. 652, 548 (2006)
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- Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. *A. Gould, A. Udalski, D. An, D. P. Bennett, A.-Y. Zhou, S. Dong, N. J. Rattenbury, B. S. Gaudi, P. C. M. Yock, I. A. Bond, G. W. Christie, K. Horne, J. Anderson, K. Z. Stanek, D. L. DePoy, C. Han, J. McCormick, B.-G. Park, R. W. Pogge, S. D. Poindexter, I. Soszyński, M. K. Szymański, M. Kubiak, G. Pietrzyński, O. Szewczyk, L. Wyrzykowski, K. Ulaczyk, B. Paczyński, D. M. Bramich, C. Snodgrass, I. A. Steele, M. J. Burgdorf, M. F. Bode, C. S. Botzler, S. Mao, and S. C. Swaving*. 644, L37 (2006)
- GOULD, ANDREW. See KOLLMEIER, JUNA A., et al. Black Hole Masses and Eddington Ratios at $0.3 < z < 4$. 648, 128 (2006)
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- GOULIERMIS, D. The Low-Mass Initial Mass Function of the Field Population in the Large Magellanic Cloud with *Hubble Space Telescope* WFPC2 Observations. *D. Gouliermis, W. Brandner, and Th. Henning*. 641, 838 (2006)
- The Low-Mass Pre-Main-Sequence Population of the Stellar Association LH 52 in the Large Magellanic Cloud Discovered with *Hubble Space Telescope* WFPC2 Observations. *D. Gouliermis, W. Brandner, and Th. Henning*. 636, L133 (2006)
- GOULIERMIS, D. A. The Star-forming Region NGC 346 in the Small Magellanic Cloud with *Hubble Space Telescope* ACS Observations. I. Photometry. *D. A. Gouliermis, A. E. Dolphin, W. Brandner, and Th. Henning*. 166, 549 (2006)
- HST WFPC2 Observations of the Peculiar Main Sequence of the Double Star Cluster NGC 2011 in the Large Magellanic Cloud. *D. A. Gouliermis, S. Lianou, M. Kontizas, E. Kontizas, and A. Dapergolas*. 652, L93 (2006)
- GOUNELLE, MATTHIEU. The Irradiation Origin of Beryllium Radioisotopes and Other Short-lived Radionuclides. *Matthieu Gounelle, Frank H. Shu, Hsien Shang, A. E. Glassgold, K. E. Rehm, and Typhoon Lee*. 640, 1163 (2006)
- GOŹDZIEWSKI, KRZYSZTOF. Orbital Configurations and Dynamical Stability of Multiplanet Systems around Sun-like Stars HD 202206, 14 Herculis, HD 37124, and HD 108874. *Krzysztof Goździewski, Maciej Konacki, and Andrzej J. Maciejewski*. 645, 688 (2006)
- Trojan Pairs in the HD 128311 and HD 82943 Planetary Systems? *Krzysztof Goździewski and Maciej Konacki*. 647, 573 (2006)
- GRACIÁ-CARPIO, J. Is HCN a True Tracer of Dense Molecular Gas in Luminous and Ultraluminous Infrared Galaxies? *J. Graciá-Carpio, S. García-Burillo, P. Planesas, and L. Colina*. 640, L135 (2006)
- See GARCÍA-BURILLO, S., et al. A New Probe of Dense Gas at High Redshift: Detection of HCO^+ (5–4) Line Emission in APM 08279+5255. 645, L17 (2006)
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- GRAFF, D. See ASSEF, R. J., et al. Removing the Microlensing Blending-Parallax Degeneracy Using Source Variability. 649, 954 (2006)
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- GRAHAM, J. See PAGE, K. L., et al. GRB 050911: A Black Hole-Neutron Star Merger or a Naked GRB. 637, L13 (2006)
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- See NOUSEK, J. A., et al. Evidence for a Canonical Gamma-Ray Burst Afterglow Light Curve in the *Swift* XRT Data. 642, 389 (2006)
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- GRATTON, R. See FERRARO, F. R., et al. Discovery of Carbon/Oxygen-depleted Blue Straggler Stars in 47 Tucanae: The Chemical Signature of a Mass Transfer Formation Process. 647, L53 (2006)
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- GU, MIN FENG. See LIU, YI, et al. The Jet Power, Radio Loudness, and Black Hole Mass in Radio-loud Active Galactic Nuclei. 637, 669 (2006)
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- GU, WEI-MIN. Neutrino-dominated Accretion Models for Gamma-Ray Bursts: Effects of General Relativity and Neutrino Opacity. Wei-Min Gu, Tong Liu, and Ju-Fu Lu. 643, L87 (2006)
- GU, X. See GUO, Y., et al. A Combined Experimental and Theoretical Study of the Reaction of Dicarboxyl (C₂) with D1-Acetylene (HCCD): Possible Mechanisms for Deuterium Enrichment in the Interstellar D1-Butadiynyl Radical, CCCCD(X⁺Σ⁺). 653, 1577 (2006)
- GUAN, YUNBIN. See HSU, WEIBAO, et al. A Late Episode of Irradiation in the Early Solar System: Evidence from Extinct ³⁶Cl and ²⁶Al in Meteorites. 640, 525 (2006)
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- Observations of the Bipolar Planetary Nebulae NGC 2346 and NGC 7026. 653, 339 (2006)
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- GUIDA, ROBERTO. See RUFFINI, REMO, et al. GRB 050315: A Step toward Understanding the Uniqueness of the Overall Gamma-Ray Burst Structure. 645, L109 (2006)
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- GULL, T. R. Eta Carinae across the 2003.5 Minimum: The Character and Variability of the Ejecta Absorption in the Near-Ultraviolet. *T. R. Gull, G. Vieira Kober, and K. E. Nielsen*. 163, 173 (2006)
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- GUO, ZONG-KUAN. Constraints on the Dvali-Gabadadze-Porrati Model from Recent Supernova Observations and Baryon Acoustic Oscillations. *Zong-Kuan Guo, Zong-Hong Zhu, J. S. Alcaniz, and Yuan-Zhong Zhang*. 646, 1 (2006)
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- GUPTA, S. Time-dependent Synchrotron and Compton Spectra from Jets of Microquasars. *S. Gupta, M. Böttcher, and C. D. Dermer*. 644, 409 (2006)
- A Time-dependent Leptonic Model for Microquasar Jets: Application to LS I +61 303. *S. Gupta and M. Böttcher*. 650, L123 (2006)
- GURBANI, VIJAY K. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
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- GUTIÉRREZ, C. See BATTISTELLI, E. S., et al. Polarization Observations of the Anomalous Microwave Emission in the Perseus Molecular Complex with the COSMOSOMAS Experiment. 645, L141 (2006)
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- Theoretical Limits on Extrasolar Terrestrial Planet Detection with Coronagraphs. *O. Guyon, E. A. Pluzhnik, M. J. Kuchner, B. Collins, and S. T. Ridgway*. 167, 81 (2006)
- GUYON, OLIVIER. See MARTINACHE, FRANTZ, et al. Exoplanet Imaging with a Phase-induced Amplitude Apodization Coronagraph. II. Performance. 639, 1129 (2006)
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- The Prediction of a Supersoft X-Ray Phase during the 2006 Outburst of RS Ophiuchi. *Izumi Hachisu and Mariko Kato*. 642, L53 (2006)
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- HACHISUKA, K. Water Maser Motions in W3(OH) and a Determination of Its Distance. *K. Hachisuka, A. Brunthaler, K. M. Menten, M. J. Reid, H. Imai, Y. Hagiwara, M. Miyoshi, S. Horiuchi, and T. Sasao*. 645, 337 (2006)
- HADJICHRISTIDIS, C. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
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- See APPONI, A. J., et al. Hydroxyacetone ($\text{CH}_3\text{COCH}_2\text{OH}$): A Combined Microwave and Millimeter-Wave Laboratory Study and Associated Astronomical Search. 652, 1787 (2006)
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- HALLMAN, E. D. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- HALPERN, J. P. See YOST, S. A., et al. Optical Light Curve and Cooling Break of GRB 050502A. 636, 959 (2006)
- See MIRABAL, N., et al. GRB 060218/SN 2006aj: A Gamma-Ray Burst and Prompt Supernova at $z = 0.0335$. 643, L99 (2006)
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- Observational Constraints and Implications for Kick Mechanisms. 639, 1007 (2006)
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- The Survey for Ionization in Neutral Gas Galaxies. II. The Star Formation Rate Density of the Local Universe. D. J. Hanish, G. R. Meurer, H. C. Ferguson, M. A. Zwaan, T. M. Heckman, L. Staveley-Smith, J. Bland-Hawthorn, V. A. Kilborn, B. S. Koribalski, M. E. Putman, E. V. Ryan-Weber, M. S. Oey, R. C. Kennicutt, Jr., P. M. Knezek, M. J. Meyer, R. C. Smith, R. L. Webster, M. A. Dopita, M. T. Doyle, M. J. Drinkwater, K. C. Freeman, and J. K. Werk. 649, 150 (2006)
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- HARKER, DAVID E. See KELLEY, MICHAEL S., et al. A *Spitzer* Study of Comets 2P/Encke, 67P/Churyumov-Gerasimenko, and C/2001 HT50 (LINEAR-NEAT). 651, 1256 (2006)
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- HARKO, T. Galactic Metric, Dark Radiation, Dark Pressure, and Gravitational Lensing in Brane World Models. *T. Harko and K. S. Cheng*. 636, 8 (2006)
- Electron-Positron Pair Production in the Electrosphere of Quark Stars. *T. Harko and K. S. Cheng*. 643, 318 (2006)
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- See ZUCKER, D. B., et al. A Curious Milky Way Satellite in Ursa Major. 650, L41 (2006)
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- HAEVERKORN, M. The Southern Galactic Plane Survey: Polarized Radio Continuum Observations and Analysis. *M. Haverkorn, B. M. Gaensler, N. M. McClure-Griffiths, J. M. Dickey, and A. J. Green*. 167, 230 (2006)
- Enhanced Small-Scale Faraday Rotation in the Galactic Spiral Arms. *M. Haverkorn, B. M. Gaensler, J. C. Brown, N. S. Bizunok, N. M. McClure-Griffiths, J. M. Dickey, and A. J. Green*. 637, L33 (2006)
- HAEVERKORN, MARIJKE. See MCCLURE-GRIFFITHS, N. M., et al. Magnetically

- Dominated Strands of Cold Hydrogen in the Riegel–Crutcher Cloud. 652, 1339 (2006)
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- HAYASHI, MASAHIKO. See CHOI, MINHO, et al. Variability of the NGC 1333 IRAS 4A Outflow: Molecular Hydrogen and Silicon Monoxide Images. 646, 1050 (2006)
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- HAYASHI, SEI. See ENOMOTO, R., et al. A Search for Sub-TeV Gamma Rays from the Vela Pulsar Region with CANGAROO-III. 638, 397 (2006)
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- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
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- See MATSUDA, YUICHI, et al. A Keck/DEIMOS Spectroscopy of Ly α Blobs at Redshift $z = 3.1$. 640, L123 (2006)
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- HAYATO, Y. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- Integral Field Unit Observations of NGC 891: Kinematics of the Diffuse Ionized Gas Halo. *George H. Heald, Richard J. Rand, Robert A. Benjamin, and Matthew A. Bershadsky*. 647, 1018 (2006)
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- Faint X-Ray Sources in the Globular Cluster Terzan 5. *C. O. Heinke, R. Wijnands, H. N. Cohn, P. M. Lugger, J. E. Grindlay, D. Pooley, and W. H. G. Lewin*. 651, 1098 (2006)
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- See BOGDANOV, SLAVKO, et al. *Chandra* X-Ray Observations of 19 Millisecond Pulsars in the Globular Cluster 47 Tucanae. 646, 1104 (2006)
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- HEISE, J. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- See REVIGLIO, PIETRO, et al. On Radio-bright Active Galactic Nuclei in a Complete Spectroscopic Redshift Survey. 650, 717 (2006)
- See PETRIC, ANDREA, et al. A Direct Upper Limit on the Density of Cosmological Dust from the Absence of an X-Ray Scattering Halo around the $z = 4.3$ Quasar QSO 1508+5714. 651, 41 (2006)
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- HELMI, AMINA. A New View of the Dwarf Spheroidal Satellites of the Milky Way from VLT FLAMES: Where Are the Very Metal-poor Stars? *Amina Helmi, M. J. Irwin, E. Tolstoy, G. Battaglia, V. Hill, P. Jablonka, K. Venn, M. Shetrone, B. Letarte, N. Arimoto, T. Abel, P. Francois, A. Kaufer, F. Primas, K. Sadakane, and T. Szeifert*. 651, L121 (2006)
- HELOU, G. See INGALLS, JAMES G., et al. Erratum: "Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey" (*ApJS*, 154, 281 [2004]). 164, 306 (2006)
- See CHOI, P. I., et al. Star Formation Rates and Extinction Properties of IR-luminous Galaxies in the *Spitzer* First Look Survey. 637, 227 (2006)
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- HENGSTEBECK, T. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
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- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
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- HENNANWI, J. See BLOOM, J. S., et al. Closing in on a Short-Hard Burst Progenitor: Constraints from Early-Time Optical Imaging and Spectroscopy of a Possible Host Galaxy of GRB 050509b. 638, 354 (2006)
- HENNAWI, JOSEPH F. Quasars Probing Quasars. I. Optically Thick Absorbers near Luminous Quasars. *Joseph F. Hennawi, Jason X. Prochaska, Scott Burles, Michael A. Strauss, Gordon T. Richards, David J. Schlegel, Xiaohui Fan, Donald P. Schneider, Nadia L. Zakamska, Masamune Oguri, James E. Gunn, Robert H. Lupton, and Jon Brinkmann*. 651, 61 (2006)
- See BOWEN, DAVID V., et al. QSO Absorption Lines from QSOs. 645, L105 (2006)
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- See JOHANSEN, A., et al. Graviturbulent Formation of Planetesimals. 636, 1121 (2006)
- See PUGA, E., et al. Outflows, Disks, and Stellar Content in a Region of High-Mass Star Formation: G5.89-0.39 with Adaptive Optics. 641, 373 (2006)
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- See QUANZ, S. P., et al. FU Orionis: The MIDI VLT Perspective. 648, 472 (2006)
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- See SCHREYER, K., et al. A Rotating Disk around the Very Young Massive Star AFGL 490. 637, L129 (2006)
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- See BOUWMAN, J., et al. Binarity as a Key Factor in Protoplanetary Disk Evolution: *Spitzer* Disk Census of the η Chamaeleontis Cluster. 653, L57 (2006)
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- See WANG, HONGCHI, et al. A Search for Optical Outflows from Brown Dwarfs in the Chamaeleon I Molecular Cloud. 643, 985 (2006)
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- See SCHNEIDER, GLENN, et al. Discovery of an 86 AU Radius Debris Ring around HD 181327. 650, 414 (2006)
- HENOUX, J. C. See XU, Z., et al. First Results of Mg I ($3p\ ^1P_1-4d\ ^1D_2$) Line Linear Impact Polarization during the Solar Flare on 2001 June 15. 650, 1193 (2006)
- HENRI, G. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- HENRI, GILLES. The Bulk Lorentz Factor Crisis of TeV Blazars: Evidence for an Inhomogeneous Pileup Energy Distribution? *Gilles Henri and Ludovic Saugé*. 640, 185 (2006)
- HENRIKSEN, M. J. See FINOGUEOV, A., et al. A Puzzling Merger in A3266: The Hydrodynamic Picture from *XMM-Newton*. 643, 790 (2006)
- HENRIKSEN, R. N. Power Laws and Non-Power Laws in Dark Matter Halos. *R. N. Henriksen*. 653, 894 (2006)
- HENRIKSEN, RICHARD N. See MACMILLAN, JOSEPH D., et al. On Universal Halos and the Radial Orbit Instability. 653, 43 (2006)
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- See JOHNSON, JOHN ASHER, et al. The N2K Consortium. VI. Doppler Shifts without Templates and Three New Short-Period Planets. 647, 600 (2006)
- See SMITH, MYRON A., et al. Rotational and Cyclical Variability in γ Cassiopeia. 647, 1375 (2006)

- See GE, JIAN, et al. The First Extrasolar Planet Discovered with a New-Generation High-Throughput Doppler Instrument. 648, 683 (2006)
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- See WINN, JOSHUA N., et al. Measurement of the Spin-Orbit Alignment in the Exoplanetary System HD 189733. 653, L69 (2006)
- HENRY, J. PATRICK. The ROSAT North Ecliptic Pole Survey: The X-Ray Catalog. *J. Patrick Henry, Christopher R. Mullis, Wolfgang Voges, Hans Böhringer, Ulrich G. Briel, Isabella M. Gioia, and John P. Huchra.* 162, 304 (2006)
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- HENRY, RICHARD B. C. See NAVA, AIDA, et al. On the Determination of N and O Abundances in Low-Metallicity Systems. 645, 1076 (2006)
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- HERRST, WILLIAM. See NORDHAGEN, STELLA, et al. The Recurrent Eclipse of an Unusual Pre-Main-Sequence Star in IC 348. 646, L151 (2006)
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- HERMANN, G. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- HERMSEN, W. See KUIPER, L., et al. Discovery of Luminous Pulsed Hard X-Ray Emission from Anomalous X-Ray Pulsars 1RXS J1708-4009, 4U 0142+61, and 1E 2259+586 by *INTEGRAL* and *RXTE*. 645, 556 (2006)
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- HERNÁNDEZ, L. See CUIEL, S., et al. Large Proper Motions in the Jet of the High-Mass YSO Cepheus A HW2. 638, 878 (2006)
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- Tomography of the Reionization Epoch with Multifrequency CMB Observations. *Carlos Hernández-Monteagudo, Licia Verde, and Raul Jimenez.* 653, 1 (2006)
- The Thermal Sunyaev-Zel'dovich Signature of Baryons in the Local Universe. *Carlos Hernández-Monteagudo, Hy Trac, Licia Verde, and Raul Jimenez.* 652, L1 (2006)
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- HERRERA, D. See VAN DOKKUM, P. G., et al. The Space Density and Colors of Massive Galaxies at $2 < z < 3$: The Predominance of Distant Red Galaxies. 638, L59 (2006)
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- See WEBB, TRACY M. A., et al. Star Formation in Distant Red Galaxies: *Spitzer* Observations in the Hubble Deep Field-South. 636, L17 (2006)
- See GAWISER, ERIC, et al. The Physical Nature of Ly α -emitting Galaxies at $z = 3.1$. 642, L13 (2006)
- See KRIEK, MARISKA, et al. Spectroscopic Identification of Massive Galaxies at $z \sim 2.3$ with Strongly Suppressed Star Formation. 649, L71 (2006)
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- HERRNSTEIN, ROBESON M. See MONTERO-CASTAÑO, MARÍA, et al. Hot Molecular Gas in the Nuclear Region of IC 342. 646, 919 (2006)

- See DONOVAN, JENNIFER L., et al. Exploring High-Velocity NH_3 (6, 6) Emission at the Center of Our Galaxy. 647, 1159 (2006)
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- HEWITT, J. W. Green Bank Telescope Observations of IC 443: The Nature of OH (1720 MHz) Masers and OH Absorption. *J. W. Hewitt, F. Yusef-Zadeh, M. Wardle, D. A. Roberts, and N. E. Kassim*. 652, 1288 (2006)
- HEWITT, JACQUELINE N. See BOWMAN, JUDD D., et al. The Sensitivity of First-Generation Epoch of Reionization Observatories and Their Potential for Differentiating Theoretical Power Spectra. 638, 20 (2006)
- See BOYCE, EDWARD R., et al. A Search for Radio Gravitational Lenses, Using the Sloan Digital Sky Survey and the Very Large Array. 640, 62 (2006)
- See BOYCE, EDWARD R., et al. The Extragalactic Lens VLBI Imaging Survey (ELVIS). I. A Search for the Central Image in the Gravitational Lens PMN J1838-3427. 648, 73 (2006)
- See MORALES, MIGUEL F., et al. Improving Foreground Subtraction in Statistical Observations of 21 cm Emission from the Epoch of Reionization. 648, 767 (2006)
- HEYER, M. H. See JACKSON, J. M., et al. The Boston University-Five College Radio Astronomy Observatory Galactic Ring Survey. 163, 145 (2006)
- HEYER, MARK H. Turbulent Gas Flows in the Rosette and G216-2.5 Molecular Clouds: Assessing Turbulent Fragmentation Descriptions of Star Formation. *Mark H. Heyer, Jonathan P. Williams, and Christopher M. Brunt*. 643, 956 (2006)
- HEYMANS, CATHERINE. See BELL, ERIC F., et al. Dry Mergers in GEMS: The Dynamical Evolution of Massive Early-Type Galaxies. 640, 241 (2006)
- HIBBARD, JOHN E. See CORBIN, MICHAEL R., et al. Ultracompact Blue Dwarf Galaxies: *Hubble Space Telescope* Imaging and Stellar Population Analysis. 651, 861 (2006)
- HIBBERT, A. See CORRÉGE, G., et al. Oscillator Strengths of Near-Infrared Lines of Fe II. 636, 1166 (2006)
- HICK, P. PAUL. See BUFFINGTON, ANDREW, et al. A Search for Early Optical Emission at Gamma-Ray Burst Locations by the *Solar Mass Ejection Imager* (SMEI). 637, 880 (2006)
- HICKEN, M. See MODIAZ, M., et al. Early-Time Photometry and Spectroscopy of the Fast Evolving SN 2006aj Associated with GRB 060218. 645, L21 (2006)
- HICKEY, THOMAS. See GAWISER, ERIC, et al. The Physical Nature of Ly α -emitting Galaxies at $z = 3.1$. 642, L13 (2006)
- HICKOX, RYAN C. Absolute Measurement of the Unresolved Cosmic X-Ray Background in the 0.5-8 keV Band with *Chandra*. *Ryan C. Hickox and Maxim Markevitch*. 645, 95 (2006)
- See FUENTES, CESAR I., et al. The Hypervelocity Star SDSS J090745.0+024507 Is Variable. 636, L37 (2006)
- HICKS, A. K. Multiwavelength Mass Comparisons of the $z \sim 0.3$ CNO Cluster Sample. *A. K. Hicks, E. Ellingson, H. Hoekstra, and H. K. C. Yee*. 652, 232 (2006)
- HICKS, AMALIA K. See KANOV, KALIN N., et al. *Chandra* Observation of the Interaction of the Radio Source and Cooling Core in Abell 2063. 653, 184 (2006)
- HIDALGO, SEBASTIAN. See PIETRZYŃSKI, GRZEGORZ, et al. The Araucaria Project: A Wide-Field Photometric Survey for Cepheid Variables in NGC 3109. 648, 366 (2006)
- HIGASHI, Y. See ENOMOTO, R., et al. A Search for Sub-TeV Gamma Rays from the Vela Pulsar Region with CANGAROO-III. 638, 397 (2006)
- See ENOMOTO, R., et al. CANGAROO III Observations of the Supernova Remnant RX J0852.0-4622. 652, 1268 (2006)
- HIGDON, DAVID. See HEITMANN, KATRIN, et al. Cosmic Calibration. 646, L1 (2006)
- HIGDON, J. See BORYS, C., et al. MIPS J142824.0+352619: A Hyperluminous Starburst Galaxy at $z = 1.325$. 636, 134 (2006)
- See DESAI, V., et al. IRS Spectra of Two Ultraluminous Infrared Galaxies at $z = 1.3$. 641, 133 (2006)
- HIGDON, J. L. See WEEDMAN, D. W., et al. Redshifts from *Spitzer* Spectra for Optically Faint Radio-selected Infrared Sources. 638, 613 (2006)
- See HIGDON, S. J., et al. First Detection of PAHs and Warm Molecular Hydrogen in Tidal Dwarf Galaxies. 640, 768 (2006)
- See HIGDON, S. J. U., et al. A *Spitzer Space Telescope* Infrared Spectrograph Survey of Warm Molecular Hydrogen in Ultraluminous Infrared Galaxies. 648, 323 (2006)
- See WEEDMAN, D. W., et al. *Spitzer* IRS Spectra of Optically Faint Infrared Sources with Weak Spectral Features. 651, 101 (2006)
- HIGDON, J. A. MARSHALL, S. J. See BRANDL, B. R., et al. The Mid-Infrared Properties of Starburst Galaxies from *Spitzer*-IRS Spectroscopy. 653, 1129 (2006)
- HIGDON, JIM. See BROWN, MICHAEL J. I., et al. The $1 < z < 5$ Infrared Luminosity Function of Type I Quasars. 638, 88 (2006)
- HIGDON, S. See BORYS, C., et al. MIPS J142824.0+352619: A Hyperluminous Starburst Galaxy at $z = 1.325$. 636, 134 (2006)
- See DESAI, V., et al. IRS Spectra of Two Ultraluminous Infrared Galaxies at $z = 1.3$. 641, 133 (2006)
- See TEPLITZ, H. I., et al. Silicate Emission in the *Spitzer* IRS Spectrum of FSC 10214+4724. 638, L1 (2006)
- HIGDON, S. J. First Detection of PAHs and Warm Molecular Hydrogen in Tidal Dwarf Galaxies. *S. J. Higdon, J. L. Higdon, and J. Marshall*. 640, 768 (2006)
- HIGDON, S. J. U. See WEEDMAN, D. W., et al. Redshifts from *Spitzer* Spectra for Optically Faint Radio-selected Infrared Sources. 638, 613 (2006)
- See ARMUS, L., et al. Detection of the Buried Active Galactic Nucleus in NGC 6240 with the Infrared Spectrograph on the *Spitzer Space Telescope*. 640, 204 (2006)
- A *Spitzer Space Telescope* Infrared Spectrograph Survey of Warm Molecular Hydrogen in Ultraluminous Infrared Galaxies. *S. J. U. Higdon, L. Armus, J. L. Higdon, B. T. Soifer, and H. W. W. Spoon*. 648, 323 (2006)
- See WEEDMAN, D. W., et al. *Spitzer* IRS Spectra of Optically Faint Infrared Sources with Weak Spectral Features. 651, 101 (2006)
- HIGDON, SARAH. See BROWN, MICHAEL J. I., et al. The $1 < z < 5$ Infrared Luminosity Function of Type I Quasars. 638, 88 (2006)
- HIGUCHI, I. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- HIKAGE, CHIAKI. Primordial Non-Gaussianity and Analytical Formula for Minkowski Functionals of the Cosmic Microwave Background and Large-

- Scale Structure. *Chiaki Hikage, Eiichi Komatsu, and Takahiko Matsubara*. 653, 11 (2006)
- HILCHENBACH, M. See CZECHOWSKI, A., et al. Estimating the Thickness of the Heliosheath from CELIAS/HSTOF and *Voyager 1* Data. 647, L69 (2006)
- HILDEBRANDT, S. R. See BATTISTELLI, E. S., et al. Polarization Observations of the Anomalous Microwave Emission in the Perseus Molecular Complex with the COSMOSOMAS Experiment. 645, L141 (2006)
- HILL, A. B. See BIRD, A. J., et al. The Second IBIS/ISGRI Soft Gamma-Ray Survey Catalog. 636, 765 (2006)
- See SGUERA, V., et al. Unveiling Supergiant Fast X-Ray Transient Sources with *INTEGRAL*. 646, 452 (2006)
- HILL, F. See GONZÁLEZ HERNÁNDEZ, I., et al. Meridional Circulation Variability from Large-Aperture Ring-Diagram Analysis of Global Oscillation Network Group and Michelson Doppler Imager Data. 638, 576 (2006)
- See MASON, D., et al. Flares, Magnetic Fields, and Subsurface Vorticity: A Survey of GONG and MDI Data. 645, 1543 (2006)
- See HOWE, R., et al. Solar Convection Zone Dynamics: How Sensitive Are Inversions to Subtle Dynamo Features? 649, 1155 (2006)
- HILL, G. See PENPRASE, B. E., et al. Spectroscopy of GRB 051111 at $z = 1.54948$: Kinematics and Elemental Abundances of the GRB Environment and Host Galaxy. 646, 358 (2006)
- HILL, J. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- HILL, J. E. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
- See VAUGHAN, S., et al. *Swift* Observations of the X-Ray-Bright GRB 050315. 638, 920 (2006)
- See FALCONE, A. D., et al. The Giant X-Ray Flare of GRB 050502B: Evidence for Late-Time Internal Engine Activity. 641, 1010 (2006)
- See O'BRIEN, P. T., et al. The Early X-Ray Emission from GRBs. 647, 1213 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- HILL, JOANNE E. GRB 050117: Simultaneous Gamma-Ray and X-Ray Observations with the *Swift* Satellite. *Joanne E. Hill, David C. Morris, Takamori Sakamoto, Goro Sato, David N. Burrows, Lorella Angelini, Claudio Pagani, Alberto Moretti, Antony F. Abbey, Scott Barthelmy, Andrew P. Beardmore, Vadim V. Biryukov, Sergio Campana, Milvia Capalbi, Giancarlo Cusumano, Paolo Giommi, Mansur A. Ibrahimov, Jamie Kennea, Shiko Kobayashi, Kunihito Ioka, Craig Markwardt, Peter Mészáros, Paul T. O'Brien, Julian P. Osborne, Alexei S. Pozanenko, Matteo Perri, Vasilij V. Rumyantsev, Patricia Schady, Dmitri A. Sharapov, Gianpiero Tagliaferri, Bing Zhang, Guido Chincarini, Neil Gehrels, Alan Wells, and John A. Nousek*. 639, 303 (2006)
- See CUSUMANO, GIANCARLO, et al. *Swift* XRT Observations of the Afterglow of GRB 050319. 639, 316 (2006)
- See PAGANI, CLAUDIO, et al. The *Swift* X-Ray Flaring Afterglow of GRB 050607. 645, 1315 (2006)
- HILL, V. See HELMI, AMINA, et al. A New View of the Dwarf Spheroidal Satellites of the Milky Way from VLT FLAMES: Where Are the Very Metal-poor Stars? 651, L121 (2006)
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- See MILLAN-GABET, R., et al. Keck Interferometer Observations of FU Orionis Objects. 641, 547 (2006)
- See PASCUCCI, I., et al. Formation and Evolution of Planetary Systems: Upper Limits to the Gas Mass in Disks around Sun-like Stars. 651, 1177 (2006)
- See EISNER, J. A., et al. Spatially Resolving the Inner Disk of TW Hydrae. 637, L133 (2006)
- HILLENBRAND, LYNNE. See EDWARDS, SUZAN, et al. Probing T Tauri Accretion and Outflow with 1 Micron Spectroscopy. 646, 319 (2006)
- HILLENBRAND, LYNNE A. See HINES, DEAN C., et al. The Formation and Evolution of Planetary Systems (FEPS): Discovery of an Unusual Debris System Associated with HD 12039. 638, 1070 (2006)
- See KRAUS, ADAM L., et al. Multiplicity and Optical Excess across the Substellar Boundary in Taurus. 649, 306 (2006)
- See METCHEV, STANIMIR A., et al. HD 203030B: An Unusually Cool Young Substellar Companion near the L/T Transition. 651, 1166 (2006)
- See CARPENTER, JOHN M., et al. Evidence for Mass-dependent Circumstellar Disk Evolution in the 5 Myr Old Upper Scorpius OB Association. 651, L49 (2006)
- See O'DONOVAN, FRANCIS T., et al. TrES-2: The First Transiting Planet in the *Kepler* Field. 651, L61 (2006)
- HILLIER, D. J. See MARTIN, JOHN C., et al. On the He II Emission in η Carinae and the Origin of Its Spectroscopic Events. 640, 474 (2006)
- See GROH, J. H., et al. AG Carinae: A Luminous Blue Variable with a High Rotational Velocity. 638, L33 (2006)
- HILLIER, D. JOHN. See PEREYRA, NICOLAS A., et al. On the Steady Nature of Line-driven Disk Winds: Application to Cataclysmic Variables. 636, 411 (2006)
- See PEREYRA, NICOLAS A., et al. Characteristic QSO Accretion Disk Temperatures from Spectroscopic Continuum Variability. 642, 87 (2006)
- The UV Scattering Halo of the Central Source Associated with η Carinae. *D. John Hillier, T. Gull, K. Nielsen, G. Someborn, R. Iping, Nathan Smith, M. Corcoran, A. Damineli, F. W. Hamann, J. C. Martin, and K. Weis*. 642, 1098 (2006)
- HILLWIG, TODD C. Binary and Multiple O-Type Stars in the Cassiopeia OB6 Association. *Todd C. Hillwig, Douglas R. Gies, William G. Bagnuolo, Jr., Wenjin Huang, M. Virginia McSwain, and David W. Wingert*. 639, 1069 (2006)
- HILTON, MATT. See STANFORD, S. A., et al. The *XMM* Cluster Survey: A Massive Galaxy Cluster at $z = 1.45$. 646, L13 (2006)
- HIME, A. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- HINDMAN, B. W. See MASON, D., et al. Flares, Magnetic Fields, and Subsurface Vorticity: A Survey of GONG and MDI Data. 645, 1543 (2006)
- HINDMAN, BRADLEY W. Helioseismically Determined Near-Surface Flows Underlying a Quiescent Filament. *Bradley W. Hindman, Deborah A. Haber, and Juri Toomre*. 653, 725 (2006)
- HINDSLEY, R. B. See PETERSON, D. M., et al. Resolving the Effects of Rotation in Altair with Long-Baseline Interferometry. 636, 1087 (2006)
- HINDSLEY, ROBERT B. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- HINES, D. C. See SILVERSTONE, M. D., et al. Formation and Evolution of Planetary Systems (FEPS): Primordial Warm Dust Evolution from 3 to 30 Myr around Sun-like Stars. 639, 1138 (2006)
- See PASCUCCI, I., et al. Formation and Evolution of Planetary Systems: Upper Limits to the Gas Mass in Disks around Sun-like Stars. 651, 1177 (2006)
- See SHI, Y., et al. 9.7 μ m Silicate Features in Active Galactic Nuclei: New Insights into Unification Models. 653, 127 (2006)
- See SU, K. Y. L., et al. Debris Disk Evolution around A Stars. 653, 675 (2006)
- See GORDON, K. D., et al. *Spitzer* MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure. 638, L87 (2006)
- See SMITH, P. S., et al. *Spitzer* Far-Infrared Detections of Cold Circumstellar Disks. 644, L125 (2006)
- See EGAMI, E., et al. A Large Mass of H_2 in the Brightest Cluster Galaxy in Zwicky 3146. 652, L21 (2006)
- HINES, DEAN C. See RICHARDS, GORDON T., et al. Spectral Energy Distributions and Multiwavelength Selection of Type 1 Quasars. 166, 470 (2006)
- The Formation and Evolution of Planetary Systems (FEPS): Discovery of an Unusual Debris System Associated with HD 12039. *Dean C. Hines, Dana E. Backman, Jeroen Bouwman, Lynne A. Hillenbrand, John M. Carpenter, Michael R. Meyer, Jinyoung Serena Kim, Murray D. Silverstone, Jens Rodmann, Sebastian Wolf, Eric E. Mamajek, Timothy Y. Brooke, Deborah L. Padgett, Thomas Henning, Amaya Moro-Martín, E. Stobie, Karl D. Gordon, J. E. Morrison, J. Muzerolle, and K. Y. L. Su*. 638, 1070 (2006)
- See SCHNEIDER, GLENN, et al. Discovery of an 86 AU Radius Debris Ring around HD 181327. 650, 414 (2006)
- Spitzer* Observations of High-Redshift QSOs. *Dean C. Hines, O. Krause, G. H. Rieke, X. Fan, M. Blaylock, and G. Neugebauer*. 641, L85 (2006)
- HINKLE, K. See LEBZELTER, TH., et al. Tracing the Development of Dust around Evolved Stars: The Case of 47 Tuc. 653, L145 (2006)
- HINKLE, KENNETH H. Infrared Spectroscopy of Symbiotic Stars. IV. V2116 Ophiuchi/GX 1+4, The Neutron Star Symbiotic. *Kenneth H. Hinkle,*

- Francis C. Fekel, Richard R. Joyce, Peter R. Wood, Verne V. Smith, and Thomas Lebzelter. 641, 479 (2006)
- HINKLEY, SASHA. See DIGBY, ANDREW P., et al. The Challenges of Coronagraphic Astrometry. 650, 484 (2006)
- HINSHAW, D. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
- HINTON, J. A. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- HINZ, J. See GORDON, K. D., et al. *Spitzer* MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure. 638, L87 (2006)
- HINZ, J. L. Dynamical Masses in Luminous Infrared Galaxies. *J. L. Hinz and G. H. Rieke*. 646, 872 (2006)
- Extended Emission by Dust in the Dwarf Galaxy UGC 10445. *J. L. Hinz, K. Misselt, M. J. Rieke, G. H. Rieke, P. S. Smith, M. Blaylock, and K. D. Gordon*. 651, 874 (2006)
- See BARMBY, P., et al. Dusty Waves on a Starry Sea: The Mid-Infrared View of M31. 650, L45 (2006)
- HINZ, JOANNAH L. See BUCKALEW, BRENT A., et al. Understanding Radio-selected Thermal Sources in M33: Ultraviolet, Optical, Near-Infrared, *Spitzer* Mid-Infrared, and Radio Observations. 162, 329 (2006)
- See BAI, LEI, et al. Infrared Luminosity Function of the Coma Cluster. 639, 827 (2006)
- HINZ, PHILIP M. See BILLER, BETH A., et al. Resolving the Dusty Circumstellar Structure of the Enigmatic Symbiotic Star CH Cygni with the MMT Adaptive Optics System. 647, 464 (2006)
- HINZ, PHILIP M. Thermal Infrared Constraint to a Planetary Companion of Vega with the MMT Adaptive Optics System. *Philip M. Hinz, A. N. Heinze, Suresh Sivaram, Douglas L. Miller, Matthew A. Kenworthy, Guido Brusa, Melanie Freed, and J. R. P. Angel*. 653, 1486 (2006)
- HIPPELEIN, H. See MAIER, C., et al. Oxygen Gas Abundances at $z \sim 1.4$: Implications for the Chemical Evolution History of Galaxies. 639, 858 (2006)
- See MAIER, C., et al. Erratum: "Oxygen Gas Abundances at $z \sim 1.4$: Implications for the Chemical Evolution History of Galaxies" (ApJ, 639, 858 [2006]). 643, 584 (2006)
- HIRAIDE, K. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- HIRAMATSU, M. See HANDA, T., et al. Thermal SiO and H¹³CO⁺ Line Observations of the Dense Molecular Cloud G0.11-0.11 in the Galactic Center Region. 636, 261 (2006)
- HIRANO, N. See PALAU, A., et al. Submillimeter Emission from the Hot Molecular Jet HH 211. 636, L137 (2006)
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- See CHIU, PO-JIAN, et al. A Slowly Expanding Disk and Fast Bipolar Outflow from the S Star π Gruis. 645, 605 (2006)
- SiO $J = 5-4$ in the HH 211 Protostellar Jet Imaged with the Submillimeter Array. *Naomi Hirano, Sheng-Yuan Liu, Hsien Shang, Paul T. P. Ho, Hui-Chun Huang, Yi-Jehng Kuan, Mark J. McCaughrean, and Qizhou Zhang*. 636, L141 (2006)
- HIRAOKA, K. Solid-Phase Reactions of D with CN to Form DNC and DCN at Cryogenic Temperatures. *K. Hiraoka, S. Ushima, T. Enoura, H. Unagiike, N. Mochizuki, and A. Wada*. 643, 917 (2006)
- HIRAOKA, KENZO. See WADA, AKIRA, et al. Methanol Formation from Electron-irradiated Mixed H₂O/CH₃ Ice at 10 K. 644, 300 (2006)
- HIRATA, CHRISTOPHER M. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- HiRES COLLABORATION, THE. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- HIROSE, SHIGENOBU. Vertical Structure of Gas Pressure-dominated Accretion Disks with Local Dissipation of Turbulence and Radiative Transport. *Shigenobu Hirose, Julian H. Krolik, and James M. Stone*. 640, 901 (2006)
- See BLAES, OMER M., et al. Magnetic Pressure Support and Accretion Disk Spectra. 645, 1402 (2006)
- HIROSE, Y. Imprint of Gravitational Lensing by Population III Stars in Gamma-Ray Burst Light Curves. *Y. Hirose, M. Umemura, A. Yonehara, and J. Sato*. 650, 252 (2006)
- HIROTA, AKIHIKO. See NAKANISHI, HIROYUKI, et al. Environmental Effects on Gaseous Disks of the Virgo Spiral Galaxies. 651, 804 (2006)
- HIROTA, TOMOYA. Molecular Line Observations of Carbon-Chain-rich Core L492. *Tomooya Hirota and Satoshi Yamamoto*. 646, 258 (2006)
- HIROTANI, KOUICHI. Particle Accelerator in Pulsar Magnetospheres: Super-Goldreich-Julian Current with Ion Emission from the Neutron Star Surface. *Kouichi Hirota*. 652, 1475 (2006)
- HIRST, P. See WATSON, D., et al. A $\log N_{H I} = 22.6$ Damped Ly α Absorber in a Dark Gamma-Ray Burst: The Environment of GRB 050401. 652, 1011 (2006)
- HIVON, E. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- HIX, W. R. See FRÖHLICH, C., et al. Composition of the Innermost Core-Collapse Supernova Ejecta. 637, 415 (2006)
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- HJALMARSSON, Å. See HASEGAWA, T. I., et al. Observations of the Circumstellar Water $1_{10} \rightarrow 1_{01}$ and Ammonia $1_0 \rightarrow 0_0$ Lines in IRC +10216 by the *Odin* Satellite. 637, 791 (2006)
- HJORTH, J. See ELÍASDÓTTIR, Å., et al. Extinction Curves of Lensing Galaxies out to $z = 1$. 166, 443 (2006)
- See PEDERSEN, K., et al. Multiwavelength Studies of the Optically Dark Gamma-Ray Burst 001025A. 636, 381 (2006)
- See WATSON, D., et al. The Soft X-Ray Blast in the Apparently Subluminous GRB 031203. 636, 967 (2006)
- See BERSIER, D., et al. Evidence for a Supernova Associated with the X-Ray Flash 020903. 643, 284 (2006)
- See WATSON, D., et al. A $\log N_{H I} = 22.6$ Damped Ly α Absorber in a Dark Gamma-Ray Burst: The Environment of GRB 050401. 652, 1011 (2006)
- See WATSON, D., et al. Outshining the Quasars at Reionization: The X-Ray Spectrum and Light Curve of the Redshift 6.29 Gamma-Ray Burst GRB 050904. 637, L69 (2006)
- See LEVAN, A. J., et al. The Faint Afterglow and Host Galaxy of the Short-Hard GRB 060121. 648, L9 (2006)
- See CASTRO CERÓN, J. M., et al. Star Formation Rates and Stellar Masses in $z \sim 1$ Gamma-Ray Burst Hosts. 653, L85 (2006)
- HJORTH, JENS. See LEVAN, ANDREW, et al. Infrared and Optical Observations of GRB 030115 and its Extremely Red Host Galaxy: Implications for Dark Bursts. 647, 471 (2006)
- HMIEL, ABRAHAM. See RIAZ, BASMAH, et al. *Spitzer* Observations of Two TW Hydrae Association Brown Dwarfs. 639, L79 (2006)
- HO, C. See MCGOWAN, K. E., et al. Evidence for Surface Cooling Emission in the *XMM-Newton* Spectrum of the X-Ray Pulsar PSR B2334+61. 639, 377 (2006)
- HO, L. C. See BLOOM, J. S., et al. Closing in on a Short-Hard Burst Progenitor: Constraints from Early-Time Optical Imaging and Spectroscopy of a Possible Host Galaxy of GRB 050509b. 638, 354 (2006)
- See VEILLEUX, S., et al. A Deep *Hubble Space Telescope* H-Band Imaging Survey of Massive Gas-rich Mergers. 643, 707 (2006)
- See WALCHER, C. J., et al. Stellar Populations in the Nuclei of Late-Type Spiral Galaxies. 649, 692 (2006)
- See WROBEL, J. M., et al. Radio Emission on Subparsec Scales from the Intermediate-Mass Black Hole in NGC 4395. 646, L95 (2006)
- HO, LUIS C. See GREENE, JENNY E., et al. The Radio Quiescence of Active Galaxies with High Accretion Rates. 636, 56 (2006)
- See LAOR, ARI, et al. Is the Broad-Line Region Clumped or Smooth? Constraints from the H α Profile in NGC 4395, the Least Luminous Seyfert 1 Galaxy. 636, 83 (2006)
- See PENG, CHIEN Y., et al. Probing the Coevolution of Supermassive Black Holes and Quasar Host Galaxies. 640, 114 (2006)
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- See PETERSON, BRADLEY M., et al. Erratum: "Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. I. A Reverberation-based Measurement of the Black Hole Mass" (ApJ, 632, 799 [2005]). 641, 638 (2006)
- See KIM, MINJIN, et al. Constraints on the Star Formation Rate in Active Galaxies. 642, 702 (2006)

- See O'NEILL, PAUL M., et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. II. X-Ray and Ultraviolet Continuum Variability. 645, 160 (2006)
- See SEIGAR, MARC S., et al. Constraining Dark Matter Halo Profiles and Galaxy Formation Models Using Spiral Arm Morphology. I. Method Outline. 645, 1012 (2006)
- See DESROCHES, LOUIS-BENOIT, et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. III. Optical Variability and X-Ray/UV/Optical Correlations. 650, 88 (2006)
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- See FARIHI, J., et al. White Dwarf-Red Dwarf Systems Resolved with the *Hubble Space Telescope*. I. First Results. 646, 480 (2006)
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- HOARE, MELVIN G. An Equatorial Wind from the Massive Young Stellar Object S140 IRS 1. *Melvin G. Hoare*. 649, 856 (2006)
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- HODGKIN, S. See ZUCKER, D. B., et al. A New Milky Way Dwarf Satellite in Canes Venatici. 643, L103 (2006)
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- HOEKSEMA, TODD. See HAYASHI, KEIJI, et al. Three-Dimensional Magnetohydrodynamic Simulation of a Global Solar Corona Using a Temperature Distribution Map Obtained from *SOHO* EIT Measurements. 636, L165 (2006)
- HOEKSTRA, H. First Cosmic Shear Results from the Canada-France-Hawaii Telescope Wide Synoptic Legacy Survey. *H. Hoekstra, Y. Mellier, L. van Waerbeke, E. Semboloni, L. Fu, M. J. Hudson, L. C. Parker, I. Tereno, and K. Benabed*. 647, 116 (2006)
- See HICKS, A. K., et al. Multiwavelength Mass Comparisons of the $z \sim 0.3$ CNOC Cluster Sample. 652, 232 (2006)
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- HÖFLICH, PETER. See QUIMBY, ROBERT, et al. SN 2005cg: Explosion Physics and Circumstellar Interaction of a Normal Type Ia Supernova in a Low-Luminosity Host. 636, 400 (2006)
- See WANG, LIFAN, et al. Premaximum Spectropolarimetry of the Type Ia SN 2004dt. 653, 490 (2006)
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- HÖFLICH, PETER A. See KOTAK, RUBINA, et al. *Spitzer* Measurements of Atomic and Molecular Abundances in the Type IIP SN 2005af. 651, L117 (2006)
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- HÖGERHEIJDE, M. R. See REMIJAN, ANTHONY J., et al. A BIMA Array Survey of Molecules in Comets LINEAR (C/2002 T7) and NEAT (C/2001 Q4). 643, 567 (2006)
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- HOGERHEIJDE, MICHEL R. See MATTHEWS, BRENDA C., et al. The Rotating Molecular Core and Precessing Outflow of the Young Stellar Object Barnard 1c. 652, 1374 (2006)
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- HOGG, DAVID W. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- See BERLIND, ANDREAS A., et al. Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. 167, 1 (2006)
- See MASJEDI, MORAD, et al. Very Small Scale Clustering and Merger Rate of Luminous Red Galaxies. 644, 54 (2006)
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- See FARRAR, GLENNYS R., et al. Foreground and Source of a Cluster of Ultra-High-Energy Cosmic Rays. 642, L89 (2006)
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- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)
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- HOLDEN, BRAD P. See MEI, SIMONA, et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Early-Type Galaxies in the Lynx Supercluster at $z \sim 1.26$. 644, 759 (2006)
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- HOLLAND, S. T. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
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- See BERNIER, D., et al. Evidence for a Supernova Associated with the X-Ray Flash 020903. 643, 284 (2006)
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- See BENDO, GEORGE J., et al. The Spectral Energy Distribution of Dust Emission in the Edge-on Spiral Galaxy NGC 4631 as Seen with *Spitzer* and the James Clerk Maxwell Telescope. 652, 283 (2006)
- See PÉREZ-GONZÁLEZ, PABLO G., et al. Erratum: "Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031)" (ApJ, 648, 987 [2006]). 653, 812 (2006)
- HOLLENBACH, DAVID J. See KAUFMAN, MICHAEL J., et al. [Si II], [Fe II], [C II], and H₂ Emission from Massive Star-forming Regions. 644, 283 (2006)
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- See APPONI, A. J., et al. Investigating the Limits of Chemical Complexity in Sagittarius B2(N): A Rigorous Attempt to Confirm 1,3-Dihydroxyacetone. 643, L29 (2006)
- See REMIJAN, ANTHONY J., et al. Methyltriacyetylene ($\text{CH}_3\text{C}_3\text{H}$) toward TMC-1: The Largest Detected Symmetric Top. 643, L37 (2006)
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- See FUENTES, CESAR I., et al. The Hypervelocity Star SDSS J090745.0+024507 Is Variable. 636, L37 (2006)
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- The Local Group Stellar Populations Archive from the *Hubble Space Telescope* WFPC2. Jon A. Holtzman, Cristina Afonso, and Andrew Dolphin. 166, 534 (2006)
- HOLVORCEM, P. See NYSEWANDER, M. C., et al. Early Time Chromatic Variations in the Wind-swept Medium of GRB 021211 and the Faintness of Its Afterglow. 651, 994 (2006)
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- HOMAN, D. C. Intrinsic Brightness Temperatures of AGN Jets. D. C. Homan, Y. Y. Kovalev, M. L. Lister, E. Ros, K. I. Kellermann, M. H. Cohen, R. C. Vermeulen, J. A. Zensus, and M. Kadler. 642, L115 (2006)
- HOMAN, J. See MILLER, J. M., et al. Simultaneous *Chandra* and *RXTE* Spectroscopy of the Microquasar H1743–322: Clues to Disk Wind and Jet Formation from a Variable Ionized Outflow. 646, 394 (2006)
- See MILLER, J. M., et al. A Long, Hard Look at the Low/Hard State in Accreting Black Holes. 653, 525 (2006)
- See MILLER, J. M., et al. A Prominent Accretion Disk in the Low-Hard State of the Black Hole Candidate SWIFT J1753.5–0127. 652, L113 (2006)
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- HOMEIER, NICOLE. See MEI, SIMONA, et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Early-Type Galaxies in the Lynx Supercluster at $z \sim 1.26$. 644, 759 (2006)
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- HU, ANMING. High-Resolution Spectra of Carbon Nanoparticles: Laboratory Simulation of the Infrared Emission Features Associated with Polycyclic Aromatic Hydrocarbons. *Anming Hu, I. Alkhesho, and W. W. Duley*. 653, L157 (2006)
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- Stellar Rotation in Young Clusters. II. Evolution of Stellar Rotation and Surface Helium Abundance. *W. Huang and D. R. Gies*. 648, 591 (2006)
- HUANG, WENJIN. See HILLWIG, TODD C., et al. Binary and Multiple O-Type Stars in the Cassiopeia OB6 Association. 639, 1069 (2006)
- HUANG, Y. F. Modeling the Optical Afterglow of GRB 030329. *Y. F. Huang, K. S. Cheng, and T. T. Gao*. 637, 873 (2006)
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- HUFF, E. M. Star Formation in Space and Time: The Orion Nebula Cluster. *E. M. Huff and Steven W. Stahler*. 644, 355 (2006)
- HUFFENBERGER, K. M. Point-Source Power in 3 Year *Wilkinson Microwave Anisotropy Probe* Data. *K. M. Huffmanberger, H. K. Eriksen, and F. K. Hansen*. 651, L81 (2006)
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- HUGHES, J. P. See WITTMAN, D., et al. First Results on Shear-selected Clusters from the Deep Lens Survey: Optical Imaging, Spectroscopy, and X-Ray Follow-up. 643, 128 (2006)
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- HUMPHREY, PHILIP J. A *Chandra* Survey of Early-Type Galaxies. I. Metal Enrichment in the Interstellar Medium. *Philip J. Humphrey and David A. Buote*. 639, 136 (2006)
- A *Chandra* View of Dark Matter in Early-Type Galaxies. *Philip J. Humphrey, David A. Buote, Fabio Gastaldello, Luca Zappacosta, James S. Bullock, Fabrizio Brighenti, and William G. Mathews*. 646, 899 (2006)
- See ZAPPACOSTA, LUCA, et al. The Absence of Adiabatic Contraction of the Radial Dark Matter Profile in the Galaxy Cluster A2589. 650, 777 (2006)
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- HUMPHREYS, ROBERTA M. See BUCKALEW, BRENT A., et al. Understanding Radio-selected Thermal Sources in M33: Ultraviolet, Optical, Near-Infrared, *Spitzer* Mid-Infrared, and Radio Observations. 162, 329 (2006)
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- HÜNTEMEYER, P. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- HUNTER, DEIDRE A. Broadband Imaging of a Large Sample of Irregular Galaxies. *Deidre A. Hunter and Bruce G. Elmegreen*. 162, 49 (2006)
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- Millimeter Multiplicity in NGC 6334 I and I(N). *T. R. Hunter, C. L. Brogan, S. T. Megeath, K. M. Menten, H. Beuther, and S. Thorwirth*. 649, 888 (2006)
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- See IONO, DAISUKE, et al. A Detection of [C II] Line Emission in the $z = 4.7$ QSO BR 1202-0725. 645, L97 (2006)
- HURFORD, G. J. Gamma-Ray Imaging of the 2003 October/November Solar Flares. *G. J. Hurford, S. Krucker, R. P. Lin, R. A. Schwartz, G. H. Share, and D. M. Smith*. 644, L93 (2006)
- HURKETT, C. See KRIMM, H. A., et al. GRB 050717: A Long, Short-Lag, High-Peak Energy Burst Observed by *Swift* and Konus. 648, 1117 (2006)
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- HYNES, R. I. Multiwavelength Observations of EXO 0748–676. I. Reprocessing of X-Ray Bursts. *R. I. Hynes, Keith Horne, K. O'Brien, C. A. Haswell, E. L. Robinson, A. R. King, P. A. Charles, and K. J. Pearson*. 648, 1156 (2006)
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- IGLESIAS-PÁRAMO, JORGE. See XU, C. KEVIN, et al. Ultraviolet and Far-Infrared-selected Star-forming Galaxies at $z = 0$: Differences and Overlaps. 646, 834 (2006)
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- IDA, T. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- IKOMA, M. On the Origin of HD 149026b. *M. Ikoma, T. Guillot, H. Genda, T. Tanigawa, and S. Ida*. 650, 1150 (2006)
- IKOMA, MASAHIRO. Constraints on the Mass of a Habitable Planet with Water of Nebular Origin. *Masahiro Ikoma and Hidenori Genda*. 648, 696 (2006)
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- IMMLER, S. X-Ray Observations of Type Ia Supernovae with *Swift*: Evidence of Circumstellar Interaction for SN 2005ke. *S. Immler, P. J. Brown, P. Milne, L.-S. The, R. Petre, N. Gehrels, D. N. Burrows, J. A. Nousek, C. L. Williams, E. Pian, P. A. Mazzali, K. Nomoto, R. A. Chevalier, V. Mangano, S. T. Holland, P. W. A. Roming, J. Greiner, and D. Pooley*. 648, L119 (2006)
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- INFANTE, LEOPOLDO. See GAWISER, ERIC, et al. The Multiwavelength Survey by Yale-Chile (MUSYC): Survey Design and Deep Public *UBVR*z** Images and Catalogs of the Extended Hubble Deep Field–South. 162, 1 (2006)
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- ISHII, T. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- ITO, K. See ISOBE, N., et al. The *XMM-Newton* Examination of Energetics in the East Lobe of the Nearby Radio Galaxy Fornax A (NGC 1316). 645, 256 (2006)
- ITO, KEI. Density Diagnostics of the Hot Plasma in AE Aquarii with *XMM-Newton*. *Kei Itoh, Shunsaku Okada, Manabu Ishida, and Hideyo Kunieda*. 639, 397 (2006)
- ITO, YOICHI. Coronagraphic Search for Extrasolar Planets around ϵ Eri and Vega. *Yoichi Itoh, Yumiko Oasa, and Misato Fukagawa*. 652, 1729 (2006)
- See FUKAGAWA, MISATO, et al. Near-Infrared Images of Protoplanetary Disk Surrounding HD 142527. 636, L153 (2006)
- ITOW, Y. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
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- See BRANDEKER, ALEXIS, et al. Infrared Spectroscopy of the Ultra-Low-Mass Binary Oph 162225–240515. 653, L61 (2006)
- IVANOVA, N. The Brightest Point X-Ray Sources in Elliptical Galaxies and the Mass Spectrum of Accreting Black Holes. *N. Ivanova and V. Kalogera*. 636, 985 (2006)
- See LOMBARDI, J. C., JR., et al. Stellar Collisions and Ultracompact X-Ray Binary Formation. 640, 441 (2006)
- See BLECHA, L., et al. Close Binary Interactions of Intermediate-Mass Black Holes: Possible Ultraluminous X-Ray Sources? 642, 427 (2006)
- Low-Mass X-Ray Binaries with Pre-Main-Sequence Companions. *N. Ivanova*. 653, L137 (2006)
- IVANOVA, NATALIA. Low-Mass X-Ray Binaries and Metallicity Dependence: Story of Failures. *Natalia Ivanova*. 636, 979 (2006)
- See O'LEARY, RYAN M., et al. Binary Mergers and Growth of Black Holes in Dense Star Clusters. 637, 937 (2006)
- See BELCZYNSKI, KRZYSZTOF, et al. A Study of Compact Object Mergers as Short Gamma-Ray Burst Progenitors. 648, 1110 (2006)
- IVANS, INESE I. See JOHNSON, JENNIFER A., et al. Chemical Compositions of Red Giant Stars in Old Large Magellanic Cloud Globular Clusters. 640, 801 (2006)
- Near-Ultraviolet Observations of HD 221170: New Insights into the Nature of r -Process-rich Stars. *Inese I. Ivans, Jennifer Simmerer, Christopher Sneden, James E. Lawler, John J. Cowan, Roberto Gallino, and Sara Bisterzo*. 645, 613 (2006)
- IVANUSHKINA, M. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
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- IVANUSHKINA, MARIYA. See ROMING, PETER W. A., et al. Very Early Optical Afterglows of Gamma-Ray Bursts: Evidence for Relative Paucity of Detection. 652, 1416 (2006)
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- IVFZIC, Z. See KIM, D.-W., et al. *Chandra* Multiwavelength Project: Normal Galaxies at Intermediate Redshift. 644, 829 (2006)
- IVEZIĆ, Ž. See BELOKUROV, V., et al. The Field of Streams: Sagittarius and Its Siblings. 642, L137 (2006)
- IVEZIĆ, ŽELJKO. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- See McDONALD, PATRICK, et al. The Ly α Forest Power Spectrum from the Sloan Digital Sky Survey. 163, 80 (2006)
- See VINKOVIĆ, DEJAN, et al. Near-Infrared and the Inner Regions of Protoplanetary Disks. 636, 348 (2006)
- IVISON, R. J. See TACCONI, L. J., et al. High-Resolution Millimeter Imaging of Submillimeter Galaxies. 640, 228 (2006)
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- IWASAWA, MASAKI. Evolution of Massive Black Hole Triples. I. Equal-Mass Binary-Single Systems. *Masaki Iwasawa, Yoko Funato, and Junichiro Makino*. 651, 1059 (2006)
- IWASHITA, T. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- Break Galaxies at $z = 4$ and 5 in the Subaru Deep Field: Luminosity Dependence of the Correlation Function Slope. 637, 631 (2006)
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- See HUNT, LESLIE K., et al. The *Spitzer* View of Low-Metallicity Star Formation. I. Haro 3. 653, 222 (2006)
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- JACKSON, BERNARD V. See BUFFINGTON, ANDREW, et al. A Search for Early Optical Emission at Gamma-Ray Burst Locations by the *Solar Mass Ejection Imager* (SMEI). 637, 880 (2006)
- JACKSON, DALE C. Hot Dust and Polycyclic Aromatic Hydrocarbon Emission at Low Metallicity: A *Spitzer* Survey of Local Group and Other Nearby Dwarf Galaxies. Dale C. Jackson, John M. Cannon, Evan D. Skillman, Henry Lee, Robert D. Gehrz, Charles E. Woodward, and Elisha Polomski. 646, 192 (2006)
- See LEE, HENRY, et al. On Extending the Mass-Metallicity Relation of Galaxies by 2.5 Decades in Stellar Mass. 647, 970 (2006)
- JACKSON, J. M. The Boston University-Five College Radio Astronomy Observatory Galactic Ring Survey. J. M. Jackson, J. M. Rathborne, R. Y. Shah, R. Simon, T. M. Banja, D. P. Clemens, E. T. Chambers, A. M. Johnson, M. Dormody, R. Lavoie, and M. H. Hever. 163, 145 (2006)
- See RATHBORNE, J. M., et al. Infrared Dark Clouds: Precursors to Star Clusters. 641, 389 (2006)
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- See RANDALL, S. K., et al. Asteroseismological Studies of Long-Period Variable Subdwarf B Stars. I. A Multisite Campaign on PG 1627+017. 643, 1198 (2006)
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- Optical Detection of Two Intermediate-Mass Binary Pulsar Companions. B. A. Jacoby, D. Chakrabarty, M. H. van Kerkwijk, S. R. Kulkarni, and D. L. Kaplan. 640, L183 (2006)
- Measurement of Orbital Decay in the Double Neutron Star Binary PSR B2127+11C. B. A. Jacoby, P. B. Cameron, F. A. Jenet, S. B. Anderson, R. N. Murty, and S. R. Kulkarni. 644, L113 (2006)
- JACOBY, GEORGE. See CROCKETT, NATHAN R., et al. Neon and Oxygen Abundances in M33. 637, 741 (2006)
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- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
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- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
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- JAFFE, A. H. See MACTAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- JAFFE, D. T. See ALLERS, K. N., et al. Young, Low-Mass Brown Dwarfs with Mid-Infrared Excesses. 644, 364 (2006)
- JAFFE, T. R. Fast and Efficient Template Fitting of Deterministic Anisotropic Cosmological Models Applied to WMAP Data. T. R. Jaffe, A. J. Banday, H. K. Eriksen, K. M. Górski, and F. K. Hansen. 643, 616 (2006)
- On the Viability of Bianchi Type VII_h Models with Dark Energy. T. R. Jaffe, S. Hervik, A. J. Banday, and K. M. Górski. 644, 701 (2006)
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- JÄGER, C. Identification and Spectral Properties of Polycyclic Aromatic Hydrocarbons in Carbonaceous Soot Produced by Laser Pyrolysis. C. Jäger, S. Krasnokutski, A. Staicu, F. Huisken, H. Mutschke, Th. Henning, W. Poppitz, and I. Voicu. 166, 557 (2006)
- JAHAN-MIRI, M. The Spin-down Rate of a Pinned Superfluid. M. Jahan-Miri. 650, 326 (2006)
- JAHNKE, KNUD. See BELL, ERIC F., et al. Dry Mergers in GEMS: The Dynamical Evolution of Massive Early-Type Galaxies. 640, 241 (2006)
- JAHODA, KEITH. Calibration of the *Ross X-Ray Timing Explorer* Proportional Counter Array. Keith Jahoda, Craig B. Markwardt, Yana Radeva, Arnold H. Rots, Michael J. Stark, Jean H. Swank, Tod E. Strohmayer, and William Zhang. 163, 401 (2006)
- JAIKUMAR, PRASHANTH. Skyrmion Stars: Astrophysical Motivations and Implications. Prashanth Jaikumar and Rachid Ouyed. 639, 354 (2006)
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- See WATSON, D., et al. The Soft X-Ray Blast in the Apparently Subluminous GRB 031203. 636, 967 (2006)

- See WATSON, D., et al. A $\log N_{\text{H}} = 22.6$ Damped Ly α Absorber in a Dark Gamma-Ray Burst: The Environment of GRB 050401. 652, 1011 (2006)
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- JAMIESON, COREY S. Understanding the Kinetics and Dynamics of Radiation-induced Reaction Pathways in Carbon Monoxide Ice at 10 K. *Corey S. Jamieson, Alexander M. Mebel, and Ralf I. Kaiser*. 163, 184 (2006)
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- JANCZYK, A. Laboratory Detection and Pure Rotational Spectrum of AISH (\bar{X}^1A'). *A. Janczyk and L. M. Ziurys*. 639, L107 (2006)
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- JANNUZI, B. T. See BORYS, C., et al. MIPS J142824.0+352619: A Hyperluminous Starburst Galaxy at $z = 1.325$. 636, 134 (2006)
- See DESAI, V., et al. IRS Spectra of Two Ultraluminous Infrared Galaxies at $z = 1.3$. 641, 133 (2006)
- See BRAND, K., et al. The Active Galactic Nuclei Contribution to the Mid-Infrared Emission of Luminous Infrared Galaxies. 644, 143 (2006)
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- See CANNON, JOHN M., et al. The Nature of Infrared Emission in the Local Group Dwarf Galaxy NGC 6822 as Revealed by *Spitzer*. 652, 1170 (2006)
- See PÉREZ-GONZÁLEZ, PABLO G., et al. Erratum: "Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031)" (*ApJ*, 648, 987 [2006]). 653, 812 (2006)
- See YBARRA, JASON E., et al. First Evidence of a Precessing Jet Excavating a Protostellar Envelope. 647, L159 (2006)
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- See SCHWARTZ, D. A., et al. *Chandra* Observations of Magnetic Fields and Relativistic Beaming in Four Quasar Jets. 640, 592 (2006)
- See KONDRATKO, P. T., et al. Erratum: "Discovery of Water Maser Emission in Eight AGNs with 70 m Antennas of NASA's Deep Space Network" (*ApJ*, 638, 100 [2006]). 649, 561 (2006)
- See SCHWARTZ, D. A., et al. Discovery of an X-Ray Jet and Extended Jet Structure in the Quasar PKS 1055+201. 647, L107 (2006)
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- Accretion Disks around Young Stars: Lifetimes, Disk Locking, and Variability. *Ray Jayawardhana, Jaime Coffey, Alexander Scholz, Alexis Brandeker, and Marten H. van Kerkwijk*. 648, 1206 (2006)
- See BRANDEKER, ALEXIS, et al. Deficit of Wide Binaries in the η Chamaeleontis Young Cluster. 652, 1572 (2006)
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- Spectroscopy of Young Planetary Mass Candidates with Disks. *Ray Jayawardhana and Valentin D. Ivanov*. 647, L167 (2006)
- See BRANDEKER, ALEXIS, et al. Infrared Spectroscopy of the Ultra-Low-Mass Binary Oph 162225-240515. 653, L61 (2006)
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- JEAN, PIERRE. See FIOCCHI, MARIATERESA, et al. Disk-Jet Coupling in the Low-Mass X-Ray Binary 4U 1636-53 from *INTEGRAL* Observations. 651, 416 (2006)
- JEE, M. J. See ZHENG, W., et al. An Overdensity of Galaxies near the Most Distant Radio-loud Quasar. 640, 574 (2006)
- See ZEKSER, K. C., et al. Mass Modeling of Abell 1689 Advanced Camera for Surveys Observations with a Perturbed Navarro-Frenk-White Model. 640, 639 (2006)
- Weak-lensing Detection at $z \sim 1.3$: Measurement of the Two Lynx Clusters with the Advanced Camera for Surveys. *M. J. Jee, R. L. White, H. C. Ford, G. D. Illingworth, J. P. Blakeslee, B. Holden, and S. Mei*. 642, 720 (2006)
- See BLAKESLEE, JOHN P., et al. Clusters at Half Hubble Time: Galaxy Structure and Colors in RX J0152.7-1357 and MS 1054-03. 644, 30 (2006)
- See HOMEIER, N. L., et al. The Formation Epoch of Early-Type Galaxies in the $z \sim 0.9$ Cl 1604 Supercluster. 647, 256 (2006)
- JEE, MYUNGKOOK J. See MEI, SIMONA, et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Early-Type Galaxies in the Lynx Supercluster at $z \sim 1.26$. 644, 759 (2006)

- JEFFERIES, STUART M. See MCINTOSH, SCOTT W., et al. Observing the Modification of the Acoustic Cutoff Frequency by Field Inclination Angle. 647, L77 (2006)
- Magnetoacoustic Portals and the Basal Heating of the Solar Chromosphere. *Stuart M. Jefferies, Scott W. McIntosh, James D. Armstrong, Thomas J. Bogdan, Alessandro Cacciani, and Bernhard Fleck.* 648, L151 (2006)
- JEFFERY, C. SIMON. See PANDEY, GAJENDRA, et al. An Analysis of Ultraviolet Spectra of Extreme Helium Stars and New Clues to Their Origins. 638, 454 (2006)
- JEFFERY, ELIZABETH. See VON HIPPEL, TED, et al. Inverting Color-Magnitude Diagrams to Access Precise Star Cluster Parameters: A Bayesian Approach. 645, 1436 (2006)
- JEFFERY, WILLIAM H. See VON HIPPEL, TED, et al. Inverting Color-Magnitude Diagrams to Access Precise Star Cluster Parameters: A Bayesian Approach. 645, 1436 (2006)
- JEHIN, E. *Deep Impact*: High-Resolution Optical Spectroscopy with the ESO VLT and the Keck I Telescope. *E. Jehin, J. Manfroid, D. Hutsemekers, A. L. Cochran, C. Arpigny, W. M. Jackson, H. Rauer, R. Schulz, and J.-M. Zucconi.* 641, L145 (2006)
- JELÍNEK, M. See GOROSABEL, J., et al. Revealing the Jet Structure of GRB 030329 with High-Resolution Multicolor Photometry. 641, L13 (2006)
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- JELINSKI, P. N. See IGLESIAS-PÁRAMO, J., et al. Star Formation in the Nearby Universe: The Ultraviolet and Infrared Points of View. 164, 38 (2006)
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- X-Ray Properties of Intermediate-Redshift Groups of Galaxies. *Tesla E. Jeltima, John S. Mulchaey, Lori M. Lubin, Piero Rosati, and Hans Böhringer.* 649, 649 (2006)
- JENET, F. A. Upper Bounds on the Low-Frequency Stochastic Gravitational Wave Background from Pulsar Timing Observations: Current Limits and Future Prospects. *F. A. Jenet, G. B. Hobbs, W. van Straten, R. N. Manchester, M. Bailes, J. P. W. Verbiest, R. T. Edwards, A. W. Hotan, J. M. Sarkissian, and S. M. Ord.* 653, 1571 (2006)
- See JACOBY, B. A., et al. Measurement of Orbital Decay in the Double Neutron Star Binary PSR B2127+11C. 644, L113 (2006)
- JENKINS, EDWARD B. See WILLIGER, GERARD M., et al. The Low-Redshift Ly α Forest toward PKS 0405–123. 636, 631 (2006)
- Measurements of the f -Values of the Resonance Transitions of Ni II at 1317.217 and 1370.132 Å. *Edward B. Jenkins and Todd M. Tripp.* 637, 548 (2006)
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- Discovery of an SX Phoenicis Type Pulsating Component in the Algol-Type Semidetached Eclipsing Binary QU Sagittae in M71. *Young-Beom Jeon, Seung-Lee Kim, Myung Gyoan Lee, Ho Lee, and Jae Woo Lee.* 636, L129 (2006)
- JEONG, DONGHUI. Perturbation Theory Reloaded: Analytical Calculation of Nonlinearity in Baryonic Oscillations in the Real-Space Matter Power Spectrum. *Donghui Jeong and Eiichi Komatsu.* 651, 619 (2006)
- JERJEN, H. See SORIA, R., et al. Accretion and Nuclear Activity of Quiescent Supermassive Black Holes. I. X-Ray Study. 640, 126 (2006)
- See SORIA, R., et al. Accretion and Nuclear Activity of Quiescent Supermassive Black Holes. II. Optical Study and Interpretation. 640, 143 (2006)
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- New *Chandra* Observations of the Jet in 3C 273. I. Softer X-Ray than Radio Spectra and the X-Ray Emission Mechanism. *Sebastian Jester, D. E. Harris, Herman L. Marshall, and Klaus Meisenheimer.* 648, 900 (2006)
- See UCHIYAMA, YASUNOBU, et al. Shedding New Light on the 3C 273 Jet with the *Spitzer Space Telescope*. 648, 910 (2006)
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- See SNYDER, L. E., et al. Confirmation of Interstellar Methylcyanodiacetylene (CH₂C₂N). 647, 412 (2006)
- See LOVAS, F. J., et al. Hyperfine Structure Identification of Interstellar Cyanoallene toward TMC-1. 637, L37 (2006)
- See HOLLIS, J. M., et al. Detection of Acetamide (CH₃CONH₂): The Largest Interstellar Molecule with a Peptide Bond. 643, L25 (2006)
- See REMIJAN, ANTHONY J., et al. Methyltriacetylene (CH₃C₃H) toward TMC-1: The Largest Detected Symmetric Top. 643, L37 (2006)
- See LOVAS, F. J., et al. Detection of Ketenimine (CH₂CNH) in Sagittarius B2(N) Hot Cores. 645, L137 (2006)
- JEWITT, DAVID. See ZHENG, WEIJUN, et al. Formation of Hydrogen, Oxygen, and Hydrogen Peroxide in Electron-Irradiated Crystalline Water Ice. 639, 534 (2006)
- See ZHENG, WEIJUN, et al. Temperature Dependence of the Formation of Hydrogen, Oxygen, and Hydrogen Peroxide in Electron-Irradiated Crystalline Water Ice. 648, 753 (2006)
- JHA, ALOK K. S. See VERMA, NUPUR, et al. New Relativistic Atomic Data for Fe IX. 164, 297 (2006)
- JHA, S. See BLOOM, J. S., et al. Closing in on a Short-Hard Burst Progenitor: Constraints from Early-Time Optical Imaging and Spectroscopy of a Possible Host Galaxy of GRB 050509b. 638, 354 (2006)
- JHA, SAURABH. See LI, WEIDONG, et al. Identification of the Red Supergiant Progenitor of Supernova 2005cs: Do the Progenitors of Type II-P Supernovae Have Low Mass? 641, 1060 (2006)
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- Ji, H. S. See ZHOU, G. P., et al. Two Successive Coronal Mass Ejections Driven by the Kink and Drainage Instabilities of an Eruptive Prominence. 651, 1238 (2006)
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- Ji, HANTAO. See LIU, WEI, et al. Simulations of Magnetorotational Instability in a Magnetized Couette Flow. 643, 306 (2006)
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- JIANG, P. On the X-Ray Baldwin Effect for Narrow Fe K α Emission Lines. *P. Jiang, J. X. Wang, and T. G. Wang.* 644, 725 (2006)

- See WANG, J. X., et al. On the Fraction of X-Ray-obscured Quasars in the Local Universe. 646, L103 (2006)
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- JIANG, YAN WEI. Evolution of the Loop-Top Source of Solar Flares: Heating and Cooling Processes. *Yan Wei Jiang, Siming Liu, Wei Liu, and Vahé Petrosian*. 638, 1140 (2006)
- See LIU, WEI, et al. *RHESSI* Observation of Chromospheric Evaporation. 649, 1124 (2006)
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- JIANG, ZHAOJI. See XIA, LIFANG, et al. Evolution of the Galaxy Luminosity Function for Redshift and Density Environment at $0.03 < z < 0.5$. 652, 249 (2006)
- See MA, JUN, et al. 037-B327 in M31: Luminous Globular Cluster or Core of a Former Dwarf Spheroidal Companion to M31? 636, L93 (2006)
- JIMÉNEZ, A. An Estimation of the Acoustic Cutoff Frequency of the Sun Based on the Properties of the Low-Degree Pseudomodes. *A. Jiménez*. 646, 1398 (2006)
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- See HERNÁNDEZ-MONTEAGUDO, CARLOS, et al. Tomography of the Reionization Epoch with Multifrequency CMB Observations. 653, 1 (2006)
- See SHEETH, RAVI K., et al. Environment and the Cosmic Evolution of Star Formation. 650, L25 (2006)
- See HERNÁNDEZ-MONTEAGUDO, CARLOS, et al. The Thermal Sunyaev-Zel'dovich Signature of Baryons in the Local Universe. 652, L1 (2006)
- JIMÉNEZ-BAILÓN, E. See KONDRATKO, P. T., et al. Discovery of Water Maser Emission in Eight AGNs with 70 m Antennas of NASA's Deep Space Network. 638, 100 (2006)
- See KONDRATKO, P. T., et al. Erratum: "Discovery of Water Maser Emission in Eight AGNs with 70 m Antennas of NASA's Deep Space Network" (*ApJ*, 638, 100 [2006]). 649, 561 (2006)
- JIMÉNEZ-BAILÓN, ELENA. See DE GREGORIO-MONSALVO, ITZIAR, et al. CCS and NH_3 Emission Associated with Low-Mass Young Stellar Objects. 642, 319 (2006)
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- JIMÉNEZ-SERRA, I. The First Measurements of the Electron Density Enhancements Expected in C-Type Shocks. *I. Jiménez-Serra, J. Martín-Pintado, S. Viti, S. Martín, A. Rodríguez-Franco, A. Faure, and J. Tennyson*. 650, L135 (2006)
- JIN, H. See EDELSTEIN, J., et al. The "Spectroscopy of Plasma Evolution from Astrophysical Radiation" Mission. 644, L153 (2006)
- See EDELSTEIN, J., et al. The SPEAR Instrument and On-Orbit Performance. 644, L159 (2006)
- See KREGENOW, J., et al. Far-Ultraviolet Observations of a Thermal Interface in the Orion-Eridanus Superbubble. 644, L167 (2006)
- See NISHIKIDA, K., et al. Far-Ultraviolet Spectral Images of the Vela Supernova Remnant. 644, L171 (2006)
- See LEE, D.-H., et al. Diffuse Far-Ultraviolet Observations of the Taurus Region. 644, L181 (2006)
- See SHINN, J.-H., et al. Diffuse Far-Ultraviolet Observations of the Lupus Loop Region. 644, L189 (2006)
- JIN, Y. K. Hardness Ratio Estimation in Low Counting X-Ray Photometry. *Y. K. Jin, S. N. Zhang, and J. F. Wu*. 653, 1566 (2006)
- JING, JU. See XU, YAN, et al. High-Resolution Observations of Multiwavelength Emissions during Two X-Class White-Light Flares. 641, 1210 (2006)
- The Statistical Relationship between the Photospheric Magnetic Parameters and the Flare Productivity of Active Regions. *Ju Jing, Hui Song, Valentyna Abramenko, Changyi Tan, and Haimin Wang*. 644, 1273 (2006)
- Erratum: "The Statistical Relationship between the Photospheric Magnetic Parameters and the Flare Productivity of Active Regions" (*ApJ*, 644, 1273 [2006]). *Ju Jing, Hui Song, Valentyna Abramenko, Changyi Tan, and Haimin Wang*. 652, 1796 (2006)
- JING, Y. P. See KANG, X., et al. Massive and Red Objects Predicted by a Semianalytical Model of Galaxy Formation. 648, 820 (2006)
- See LIN, W. P., et al. The Influence of Baryons on the Mass Distribution of Dark Matter Halos. 651, 636 (2006)
- See LI, GUO-LIANG, et al. Smoothing Algorithms and High-Order Singularities in Gravitational Lensing. 652, 43 (2006)
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- The Influence of Baryons on the Clustering of Matter and Weak-Lensing Surveys. *Y. P. Jing, Pengjie Zhang, W. P. Lin, L. Gao, and V. Springel*. 640, L119 (2006)
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- Afterglow Light Curves and Broken Power Laws: A Statistical Study. *Gudlaugur Jóhannesson, Gunnlaugur Björnsson, and Einar H. Gudmundsson*. 640, L5 (2006)
- JOHANSEN, A. Gravoturbulent Formation of Planetesimals. *A. Johansen, H. Klahr, and Th. Henning*. 636, 1121 (2006)
- JOHANSEN, ANDERS. Dust Sedimentation and Self-sustained Kelvin-Helmholtz Turbulence in Protoplanetary Disk Midplanes. *Anders Johansen, Thomas Henning, and Hubert Klahr*. 643, 1219 (2006)
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- JOHNSON, B. D. Dissecting Galaxy Colors with GALEX, SDSS, and *Spitzer*. *B. D. Johnson, D. Schiminovich, M. Seibert, M. A. Treyer, S. Charlot, T. M. Heckman, D. C. Martin, S. Salim, G. Kauffmann, L. Bianchi, J. Donas, P. G. Friedman, Y.-W. Lee, B. F. Madore, B. Milliard, P. Morrissey, S. G. Neff, R. M. Rich, A. S. Szalay, K. Forster, T. A. Barlow, T. Conrow, T. Small, and T. K. Wyder*. 644, L109 (2006)
- JOHNSON, BENJAMIN D. See MESINGER, ANDREI, et al. The Redshift Distribution of Distant Supernovae and Its Use in Probing Reionization. 637, 80 (2006)
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- JOHNSON, ERIC T. Diffusive Migration of Low-Mass Protoplanets in Turbulent Disks. *Eric T. Johnson, Jeremy Goodman, and Kristen Menou*. 647, 1413 (2006)
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- JOHNSON, JENNIFER A. Chemical Compositions of Red Giant Stars in Old Large Magellanic Cloud Globular Clusters. *Jennifer A. Johnson, Inese I. Ivans, and Peter B. Stetson*. 640, 801 (2006)
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- JOHNSON, JOHN ASHER. The N2K Consortium. VI. Doppler Shifts without

- Templates and Three New Short-Period Planets. *John Asher Johnson, Geoffrey W. Marcy, Debra A. Fischer, Gregory Laughlin, R. Paul Butler, Gregory W. Henry, Jeff A. Valenti, Eric B. Ford, Steven S. Vogt, and Jason T. Wright*. 647, 600 (2006)
- An Eccentric Hot Jupiter Orbiting the Subgiant HD 185269. *John Asher Johnson, Geoffrey W. Marcy, Debra A. Fischer, Gregory W. Henry, Jason T. Wright, Howard Isaacson, and Chris McCarthy*. 652, 1724 (2006)
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- JOHNSON, R. E. The Enceladus and OH Tori at Saturn. *R. E. Johnson, H. T. Smith, O. J. Tucker, M. Liu, M. H. Burger, E. C. Sittler, and R. L. Tokar*. 644, L137 (2006)
- JOHNSON, R. P. See ATWOOD, W. B., et al. A Time-differencing Technique for Detecting Radio-quiet Gamma-Ray Pulsars. 652, L49 (2006)
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- JOHNSTON, K. J. See PETERSON, D. M., et al. Resolving the Effects of Rotation in Altair with Long-Baseline Interferometry. 636, 1087 (2006)
- JOHNSTON, KATHRYN V. See FONT, ANDREEA S., et al. Chemical Abundance Distributions of Galactic Halos and Their Satellite Systems in a Λ CDM Universe. 638, 585 (2006)
- See YENCHO, BRIAN M., et al. The Effect of Substructure on Mass Estimates of Galaxies. 643, 154 (2006)
- See FONT, ANDREEA S., et al. Phase-Space Distributions of Chemical Abundances in Milky Way-Type Galaxy Halos. 646, 886 (2006)
- See MUÑOZ, RICARDO R., et al. Exploring Halo Substructure with Giant Stars. XI. The Tidal Tails of the Carina Dwarf Spheroidal Galaxy and the Discovery of Magellanic Cloud Stars in the Carina Foreground. 649, 201 (2006)
- JOHNSTONE, DOUG. Large Area Mapping at 850 μ m. IV. Analysis of the Clump Distribution in the Orion B South Molecular Cloud. *Doug Johnstone, Henry Matthews, and George F. Mitchell*. 639, 259 (2006)
- See MORIARTY-SCHIEVEN, GERALD H., et al. Multigenerational Star Formation in L1551. 645, 357 (2006)
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- Large-Area Mapping at 850 μ m. V. Analysis of the Clump Distribution in the Orion A South Molecular Cloud. *Doug Johnstone and John Bally*. 653, 383 (2006)
- JOKIPII, J. R. See PEI, C., et al. Effect of a Random Magnetic Field on the Onset Times of Solar Particle Events. 641, 1222 (2006)
- See GIACALONE, J., et al. Structure of the Turbulent Interplanetary Magnetic Field. 641, L61 (2006)
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- JONES, BARRIE W. Habitability of Known Exoplanetary Systems Based on Measured Stellar Properties. *Barrie W. Jones, P. Nick Sleep, and David R. Underwood*. 649, 1010 (2006)
- JONES, C. See KRAFT, R. P., et al. The Hot Gas Environment of the Radio Galaxy 3C 388: Quenching the Accumulation of Cool Gas in a Cluster Core by a Nuclear Outburst. 639, 753 (2006)
- See VIKHLININ, A., et al. *Chandra* Sample of Nearby Relaxed Galaxy Clusters: Mass, Gas Fraction, and Mass-Temperature Relation. 640, 691 (2006)
- See KRAFT, R. P., et al. The Complex X-Ray Morphology of NGC 7618: A Major Group-Group Merger in the Local Universe? 640, 762 (2006)
- See FINOGUENOV, A., et al. A Puzzling Merger in A3266: The Hydrodynamic Picture from *XMM-Newton*. 643, 790 (2006)
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- See MACHACEK, M., et al. *Chandra* Observations of Nuclear Outflows in the Elliptical Galaxy NGC 4552 in the Virgo Cluster. 648, 947 (2006)
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- A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. *W. C. Jones, P. A. R. Ade, J. J. Bock, J. R. Bond, J. Borrill, A. Boscaleri, P. Cabella, C. R. Contaldi, B. P. Crill, P. de Bernardis, G. De Gasperis, A. de Oliveira-Costa, G. De Troia, G. di Stefano, E. Hivon, A. H. Jaffe, T. S. Kisner, C. E. Lange, C. J. MacTavish, S. Masi, P. D. Mauskopf, A. Melchiorri, T. E. Montroy, P. Natoli, C. B. Netterfield, E. Pascale, F. Piacentini, D. Pogosyan, G. Polenta, S. Prunet, S. Ricciardi, G. Romeo, J. E. Ruhl, P. Santini, M. Tegmark, M. Veneziani, and N. Vittorio*. 647, 823 (2006)
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- JORGE, PEDRO. Pulsating Spectrum of Subdwarf Star PG 1605+072: Comparative Time-Frequency Analysis via Wavelet Packet and Local Sine Packet Transforms of an Interrupted Light Curve. *Pedro Jorge, Amaro Rica da Silva, and Ildio Lopes.* 647, 564 (2006)
- JORGENSEN, ANDERS M. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- JORGENSEN, INGER. See LE BORGNE, DAMIEN, et al. Gemini Deep Deep Survey. VI. Massive H δ -strong Galaxies at $z \approx 1$. 642, 48 (2006)
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- JORGENSEN, J. K. See LAHUIS, F., et al. Hot Organic Molecules toward a Young Low-Mass Star: A Look at Inner Disk Chemistry. 636, L145 (2006)
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- See HARVEY, PAUL M., et al. The *Spitzer* c2d Survey of Large, Nearby, Interstellar Clouds. II. Serpens Observed with IRAC. 644, 307 (2006)
- The *Spitzer* c2d Survey of Large, Nearby, Interstellar Clouds. III. Perseus Observed with IRAC. *Jes K. Jorgensen, Paul M. Harvey, Neal J. Evans II, Tracy L. Huard, Lori E. Allen, Alicia Porras, Geoffrey A. Blake, Tyler L. Bourke, Nicholas Chapman, Lucas Cieza, David W. Koerner, Shih-Ping Lai, Lee G. Mundy, Philip C. Myers, Deborah L. Padgett, Luisa Rebull, Anneela I. Sargent, William Spiesman, Karl R. Stapelfeldt, Ewine F. van Dishoeck, Zahed Wahhaj, and Kaisa E. Young.* 645, 1246 (2006)
- See MATTHEWS, BRENDA C., et al. The Rotating Molecular Core and Precessing Outflow of the Young Stellar Object Barnard 1c. 652, 1374 (2006)
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- JOY, MARSHALL K. See BONAMENTE, MASSIMILIANO, et al. Determination of the Cosmic Distance Scale from Sunyaev-Zel'dovich Effect and *Chandra* X-Ray Measurements of High-Redshift Galaxy Clusters. 647, 25 (2006)
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- JUETT, ADRIENNE M. Detection of Highly Ionized Metal Absorption Lines in the Ultracompact X-Ray Dipper 4U 1916–05. *Adrienne M. Juett and Deepto Chakrabarty.* 646, 493 (2006)
- High-Resolution X-Ray Spectroscopy of the Interstellar Medium. II. Neon and Iron Absorption Edges. *Adrienne M. Juett, Norbert S. Schulz, Deepto Chakrabarty, and Thomas W. Gorczyca.* 648, 1066 (2006)
- JUI, C. H. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- JUNEAU, STÉPHANIE. See LE BORGNE, DAMIEN, et al. Gemini Deep Deep Survey. VI. Massive H δ -strong Galaxies at $z \approx 1$. 642, 48 (2006)
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- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
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- Carbon Deficiency in Externally Polluted White Dwarfs: Evidence for Accretion of Asteroids. *M. Jura.* 653, 613 (2006)
- Polycyclic Aromatic Hydrocarbons Orbiting HD 233517, an Evolved Oxygen-rich Red Giant. *M. Jura, C. J. Bohac, B. Sargent, W. J. Forrest, J. Green, D. M. Watson, G. C. Sloan, F. Markwick-Kemper, C. H. Chen, and J. Najita.* 637, L45 (2006)
- JURIĆ, MARIO. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
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- JUSTANONT, K. See HASEGAWA, T. I., et al. Observations of the Circumstellar Water $1_{10} \rightarrow 1_{01}$ and Ammonia $1_0 \rightarrow 0_0$ Lines in IRC +10216 by the *Odin* Satellite. 637, 791 (2006)
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- KAARET, P. See KILGARD, R. E., et al. Erratum: "A *Chandra* Survey of Nearby Spiral Galaxies. I. Point Source Catalogs" (ApJS, 159, 214 [2005]). 163, 424 (2006)
- See CORBEL, S., et al. On the Origin of Black Hole X-Ray Emission in Quiescence: *Chandra* Observations of XTE J1550–564 and H1743–322. 636, 971 (2006)
- Discovery of the Millisecond X-Ray Pulsar HETE J1900.1–2455. *P. Kaaret, E. H. Morgan, R. Vanderspek, and J. A. Tomsick.* 638, 963 (2006)
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- Evolution of the X-Ray Jets from 4U 1755–33. *P. Kaaret, S. Corbel, J.*

- A. Tomsick, J. Lazendic, A. K. Tzioumis, Y. Butt, and R. Wijnands. 641, 410 (2006)
- KAARET, PHILIP. A 62 Day X-Ray Periodicity and an X-Ray Flare from the Ultraluminous X-Ray Source in M82. *Philip Kaaret, Melanie G. Simet, and Cornelia C. Lang*. 646, 174 (2006)
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- The O VII X-Ray Forest toward Markarian 421: Consistency between *XMM-Newton* and *Chandra*. J. S. Kaastra, N. Werner, J. W. A. den Herder, F. B. S. Paerels, J. de Plaa, A. P. Rasmussen, and C. P. de Vries. 652, 189 (2006)
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- KAGHASHVILI, E. KH. Propagation of Energetic Charged Particles in the Solar Wind: Effects of Intermittency in the Medium. E. Kh. Kaghshvili, G. P. Zank, and G. M. Webb. 636, 1145 (2006)
- See WEBB, G. M., et al. Compound and Perpendicular Diffusion of Cosmic Rays and Random Walk of the Field Lines. I. Parallel Particle Transport Models. 651, 211 (2006)
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- KAISER, N. See WILLMER, C. N. A., et al. The Deep Evolutionary Exploratory Probe 2 Galaxy Redshift Survey: The Galaxy Luminosity Function to $z \sim 1$. 647, 853 (2006)
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- KAJINO, T. See AOKI, W., et al. HE 1327-2326, an Unevolved Star with $[\text{Fe}/\text{H}] < -5.0$. I. A Comprehensive Abundance Analysis. 639, 897 (2006)
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- KAJISAWA, M. Mass-dependent Color Evolution of Field Galaxies back to $z \sim 3$ over the Wide Range of Stellar Mass. M. Kajisawa and T. Yamada. 650, 12 (2006)
- KAJITA, T. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
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- First Scattered Light Images of Debris Disks around HD 53143 and HD 139664. Paul Kalas, James R. Graham, Mark C. Clampin, and Michael P. Fitzgerald. 637, L57 (2006)
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- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
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- The Galactic Black Hole Transient H1743-322 during Outburst Decay: Connections between Timing Noise, State Transitions, and Radio Emission. E. Kalemci, J. A. Tomsick, R. E. Rothschild, K. Pottschmidt, S. Corbel, and P. Kaaret. 639, 340 (2006)
- X-Ray Observations of SN 1006 with *INTEGRAL*. E. Kalemci, S. P. Reynolds, S. E. Boggs, N. Lund, J. Chenevez, M. Renaud, and J. Rho. 644, 274 (2006)
- Searching for Annihilation Radiation from SN 1006 with SPI on

- INTEGRAL. E. Kalemci, S. E. Boggs, P. A. Milne, and S. P. Reynolds. 640, L55 (2006)
- KALEMCI, EMRAH. See GELINO, DAWN M., et al. The Inclination Angle and Mass of the Black Hole in XTE J1118+480. 642, 438 (2006)
- KALIRAI, J. S. See PROCHASKA, J. X., et al. The Galaxy Hosts and Large-Scale Environments of Short-Hard Gamma-Ray Bursts. 642, 989 (2006)
- KALIRAI, JASONJOT S. Kinematics and Metallicity of M31 Red Giants: The Giant Southern Stream and Discovery of a Second Cold Component at $R = 20$ kpc. Jasonjot S. Kalirai, Puragra Guhathakurta, Karoline M. Gilbert, David B. Reitzel, Steven R. Majewski, R. Michael Rich, and Michael C. Cooper. 641, 268 (2006)
- The Metal-poor Halo of the Andromeda Spiral Galaxy (M31). Jasonjot S. Kalirai, Karoline M. Gilbert, Puragra Guhathakurta, Steven R. Majewski, James C. Ostheimer, R. Michael Rich, Michael C. Cooper, David B. Reitzel, and Richard J. Patterson. 648, 389 (2006)
- See GILBERT, KAROLINE M., et al. A New Method for Isolating M31 Red Giant Stars: The Discovery of Stars out to a Radial Distance of 165 kpc. 652, 1188 (2006)
- KALLENBACH, R. See CZECHOWSKI, A., et al. Estimating the Thickness of the Heliosheath from CELIAS/HSTOF and Voyager 1 Data. 647, L69 (2006)
- KALLENRODE, M.-B. See LARIO, D., et al. Radial and Longitudinal Dependence of Solar 4–13 MeV and 27–37 MeV Proton Peak Intensities and Fluences: Helios and IMP 8 Observations. 653, 1531 (2006)
- KALLIVAYALIL, NITYA. The Proper Motion of the Large Magellanic Cloud Using HST. Nitya Kallivayalil, Roeland P. van der Marel, Charles Alcock, Tim Axelrod, Kem H. Cook, A. J. Drake, and M. Geha. 638, 772 (2006)
- Is the SMC Bound to the LMC? The Hubble Space Telescope Proper Motion of the SMC. Nitya Kallivayalil, Roeland P. van der Marel, and Charles Alcock. 652, 1213 (2006)
- Identification of the Microlens in Event MACHO-LMC-20. Nitya Kallivayalil, Brian M. Patten, Massimo Marengo, Charles Alcock, Michael W. Werner, and Giovanni G. Fazio. 652, L97 (2006)
- KALOGERA, V. See IVANOVA, N., et al. The Brightest Point X-Ray Sources in Elliptical Galaxies and the Mass Spectrum of Accreting Black Holes. 636, 985 (2006)
- See BLECHA, L., et al. Close Binary Interactions of Intermediate-Mass Black Holes: Possible Ultraluminous X-Ray Sources? 642, 427 (2006)
- See FABBIANO, G., et al. The Modulated Emission of the Ultraluminous X-Ray Source in NGC 3379. 650, 879 (2006)
- See KIM, D.-W., et al. Probing the Low-Luminosity X-Ray Luminosity Function in Normal Elliptical Galaxies. 652, 1090 (2006)
- KALOGERA, VASSILIKI. See BELCZYNSKI, KRZYSZTOF, et al. A Study of Compact Object Mergers as Short Gamma-Ray Burst Progenitors. 648, 1110 (2006)
- See FREITAG, MARC, et al. Stellar Remnants in Galactic Nuclei: Mass Segregation. 649, 91 (2006)
- See IHM, CATHERINE MIA, et al. Eccentricities of Double Neutron Star Binaries. 652, 540 (2006)
- KALUZNY, J. See BONANOS, A. Z., et al. The First DIRECT Distance Determination to a Detached Eclipsing Binary in M33. 652, 313 (2006)
- KAMADA, MARI. See HACHISU, IZUMI, et al. The Hydrogen-Burning Turnoff of RS Ophiuchi (2006). 651, L141 (2006)
- KAMAE, TUNEYOSHI. Parameterization of γ , e^+ , and Neutrino Spectra Produced by p - p Interaction in Astronomical Environments. Tunesoshi Kamae, Niklas Karlsson, Tsunefumi Mizuno, Toshinori Abe, and Tatsumi Koi. 647, 692 (2006)
- KAMATA, YUKIKO. See KONDO, SOHEI, et al. First Detection of Na I D Lines in High-Redshift Damped Ly α Systems. 643, 667 (2006)
- See PYO, TAE-SOO, et al. Adaptive Optics Spectroscopy of the [Fe II] Outflows from HL Tauri and RW Aurigae. 649, 836 (2006)
- KAMAYA, HIDEYUKI. See KOBAYASHI, MASAKAZU A. R., et al. Ly α Line Spectra of the First Galaxies: Dependence on Observed Direction to the Underlying Cold Dark Matter Filament. 636, 1 (2006)
- KAMEDA, J. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- KAMENETSKA, MARIA. See EVANS, DANIEL A., et al. The Chandra, Hubble Space Telescope, and VLA View of the Circumnuclear Extended Emission in the Narrow Emission Line Galaxy NGC 2110. 653, 1121 (2006)
- KAMENO, SEIJI. See NAGAI, HIROSHI, et al. The Kinematic and Spectral Ages of the Compact Radio Source CTD 93. 648, 148 (2006)
- KAMIONKOWSKI, MARC. See MEDVEDEV, MIKHAIL V., et al. Cluster Magnetic Fields from Large-Scale Structure and Galaxy Cluster Shocks. 642, L1 (2006)
- KAMOHARA, RYUICHI. See CHEN, XI, et al. Inward Motions of the Compact SiO Masers around VX Sagittarii. 640, 982 (2006)
- KAMP, I. See COWLEY, C. R., et al. An Atlas of K-Line Spectra for Cool Magnetic CP Stars: The Wing-Nib Anomaly (WNA). 163, 393 (2006)
- KANBACH, GOTTFRIED. See WEISSKOPF, MARTIN C., et al. A Search for the X-Ray Counterpart of the Unidentified γ -Ray Source 3EG J2020+4017 (2CG078+2). 652, 387 (2006)
- KANBUR, S. M. See NGEOW, C., et al. Nonlinear Period-Luminosity Relation for the Large Magellanic Cloud Cepheids: Myths and Truths. 650, 180 (2006)
- See NGEOW, C., et al. The Hubble Constant from Type Ia Supernovae Calibrated with the Linear and Nonlinear Cepheid Period-Luminosity Relations. 642, L29 (2006)
- KANDORI, R. See TAMURA, M., et al. Near-Infrared Polarization Images of the Orion Nebula. 649, L29 (2006)
- KANDORI, RYO. See NAOI, TAKAHIRO, et al. Near-Infrared Extinction Law in the ρ Ophiuchi and Chamaeleon Dark Clouds. 640, 373 (2006)
- KANE, JAVE O. See MIZUTA, AKIRA, et al. Formation of Pillars at the Boundaries between H II Regions and Molecular Clouds. 647, 1151 (2006)
- KANE, JULIE F. See LOPEZ, LAURA A., et al. Determining the Nature of the SS 433 Binary from an X-Ray Spectrum during Eclipse. 650, 338 (2006)
- KANE, STEPHEN R. Studying the Galactic Bulge through Spectroscopy of Microlensed Sources. I. Theoretical Considerations. Stephen R. Kane and Kailash C. Sahu. 637, 752 (2006)
- See GE, JIAN, et al. The First Extrasolar Planet Discovered with a New-Generation High-Throughput Doppler Instrument. 648, 683 (2006)
- KANEDA, H. See ISOBE, N., et al. The XMM-Newton Examination of Energetics in the East Lobe of the Nearby Radio Galaxy Fornax A (NGC 1316). 645, 256 (2006)
- KANEDA, HIDEHIRO. See SAKON, ITSUKI, et al. The Properties of the Mid-to Far-Infrared Emission in the Large Magellanic Cloud. 651, 174 (2006)
- KANEKO, Y. See PAGE, K. L., et al. GRB 050911: A Black Hole–Neutron Star Merger or a Naked GRB. 637, L13 (2006)
- KANEKO, YUKI. The Complete Spectral Catalog of Bright BATSE Gamma-Ray Bursts. Yuki Kaneko, Robert D. Preece, Michael S. Briggs, William S. Paciesas, Charles A. Meegan, and David L. Band. 166, 298 (2006)
- See RYDE, FELIX, et al. Gamma-Ray Burst Spectral Correlations: Photospheric and Injection Effects. 652, 1400 (2006)
- KANEYUKI, K. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- KANG, HYESUNG. See BAEK, CHANG HYUN, et al. The Effects of Rotation on Thermal-Gravitational Instability in the Protogalactic Disk Environment. 643, L83 (2006)
- KANG, JI-HYUN. See KOO, BON-CHUL, et al. A “Missing” Supernova Remnant Revealed by the 21 cm Line of Atomic Hydrogen. 643, L49 (2006)
- KANG, JINA. Time Monitoring Observations of SiO $J = 2-1$ and $J = 3-2$ Maser Emission toward Late-Type Stars. Jina Kang, Se-Hyung Cho, Hyun-Goo Kim, Hyun-Soo Chung, Hyo-Ryung Kim, Duk-Gyoo Roh, Chang-Won Lee, and Sang-Joon Kim. 165, 360 (2006)
- KANG, X. Massive and Red Objects Predicted by a Semianalytical Model of Galaxy Formation. X. Kang, Y. P. Jing, and J. Silk. 648, 820 (2006)
- See LI, GUO-LIANG, et al. Smoothing Algorithms and High-Order Singularities in Gravitational Lensing. 652, 43 (2006)
- KANG, XI. See LEE, JOUNGHUN, et al. Reconstructing the Triaxial Shapes of Dark Matter Halos from the Anisotropic Spatial Distributions of their Substructures in the Concordance Cosmology. 637, 561 (2006)
- See ZHU, GUANGTUN, et al. The Dependence of the Occupation of Galaxies on the Halo Formation Time. 639, L5 (2006)
- KANN, D. A. See ZEH, A., et al. Gamma-Ray Burst Afterglow Light Curves in the Pre-Swift Era: A Statistical Study. 637, 889 (2006)
- Signatures of Extragalactic Dust in Pre-Swift GRB Afterglows. D. A. Kann, S. Klose, and A. Zeh. 641, 993 (2006)
- KANNAPPAN, SHEILA J. See QUIMBY, ROBERT, et al. SN 2005cg: Explosion Physics and Circumstellar Interaction of a Normal Type Ia Supernova in a Low-Luminosity Host. 636, 400 (2006)
- KANOV, KALIN N. Chandra Observation of the Interaction of the Radio Source and Cooling Core in Abell 2063. Kalin N. Kanov, Craig L. Sarazin, and Amalia K. Hicks. 653, 184 (2006)

- KANTOR, ELENA. See REISENEGGER, ANDREAS, et al. Rotochemical Heating of Neutron Stars: Rigorous Formalism with Electrostatic Potential Perturbations. 653, 568 (2006)
- KANTOWSKI, RONALD. See BAGHERPOUR, HAMED, et al. Effects of Gravitational Microlensing on P Cygni Profiles of Type Ia Supernovae. 638, 946 (2006)
- KANZAWA, TOMIO. See KONDO, SOHEI, et al. First Detection of Na I D Lines in High-Redshift Damped Ly α Systems. 643, 667 (2006)
- KAPLAN, D. L. An X-Ray Search for Compact Central Sources in Supernova Remnants. II. Six Large-Diameter SNRs. D. L. Kaplan, B. M. Gaensler, S. R. Kulkarni, and P. O. Slane. 163, 344 (2006)
- See JACOBY, B. A., et al. Optical Detection of Two Intermediate-Mass Binary Pulsar Companions. 640, L183 (2006)
- Long-Wavelength Excesses in Two Highly Obscured High-Mass X-Ray Binaries: IGR J16318–4848 and GX 301–2. D. L. Kaplan, D.-S. Moon, and W. T. Reach. 649, L107 (2006)
- KAPLAN, DAVID L. A Near-Infrared Search for Counterparts to Three Pulsars in Young Supernova Remnants. David L. Kaplan and Dae-Sik Moon. 644, 1056 (2006)
- See WEISSKOPF, MARTIN C., et al. A Search for the X-Ray Counterpart of the Unidentified γ -Ray Source 3EG J2020+4017 (2CG078+2). 652, 387 (2006)
- See O'MEARA, JOHN M., et al. A Shot in the Dark: A Technique for Locating the Stellar Counterparts of Damped Ly α Absorbers. 642, L9 (2006)
- KAPLINGHAT, MANOJ. See STRIGARI, LOUIS E., et al. A Large Dark Matter Core in the Fornax Dwarf Spheroidal Galaxy? 652, 306 (2006)
- KÄPPELER, F. See WINKLER, N., et al. Lanthanum: An s - and r -Process Indicator. 647, 685 (2006)
- See RAPP, W., et al. Sensitivity of p -Process Nucleosynthesis to Nuclear Reaction Rates in a 25 M_{\odot} Supernova Model. 653, 474 (2006)
- KARACHENTSEV, IGOR D. See TIKHONOV, ANTON V., et al. Minivoids in the Local Volume. 653, 969 (2006)
- KARACHIK, NINA. Rotation of Solar Corona from Tracking of Coronal Bright Points. Nina Karachik, Alexei A. Pevsov, and Isroil Sattarov. 642, 562 (2006)
- KARAKAS, A. I. The Uncertainties in the $^{22}\text{Ne} + \alpha$ -Capture Reaction Rates and the Production of the Heavy Magnesium Isotopes in Asymptotic Giant Branch Stars of Intermediate Mass. A. I. Karakas, M. A. Lugaro, M. Wiescher, J. Görres, and C. Ugalde. 643, 471 (2006)
- The Chemical Evolution of Helium in Globular Clusters: Implications for the Self-Pollution Scenario. A. I. Karakas, Y. Fenner, Alison Sills, S. W. Campbell, and J. C. Lattanzio. 652, 1240 (2006)
- KARAKAS, AMANDA I. See ZINNER, ERNST, et al. Silicon and Carbon Isotopic Ratios in AGB Stars: SiC Grain Data, Models, and the Galactic Evolution of the Si Isotopes. 650, 350 (2006)
- KARAKLA, DIANE. See HARRIS, WILLIAM E., et al. Globular Cluster Systems in Brightest Cluster Galaxies: Bimodal Metallicity Distributions and the Nature of the High-Luminosity Clusters. 636, 90 (2006)
- KARASTERGIOU, A. Adapting and Expanding Interferometric Arrays. A. Karastergiou, R. Neri, and M. A. Gurwell. 164, 552 (2006)
- KARGALTSEV, O. X-Ray Emission from the Nearby PSR B1133+16 and Other Old Pulsars. O. Kargaltsev, G. G. Pavlov, and G. P. Garmire. 636, 406 (2006)
- X-Ray Emission from the Double Neutron Star Binary B1534+12: Powered by the Pulsar Wind? O. Kargaltsev, G. G. Pavlov, and G. P. Garmire. 646, 1139 (2006)
- KARGALTSEV, OLEG. See PARK, SANGWOOK, et al. Discovery of a Candidate Central Compact Object in the Galactic Nonthermal SNR G330.2+1.0. 653, L37 (2006)
- KARLICKÝ, M. X-Ray Loop-Top Source Generated by Processes in a Flare Collapsing Trap. M. Karlický and M. Bárta. 647, 1472 (2006)
- KARLSSON, NIKLAS. See KAMAE, TUNEYOSHI, et al. Parameterization of γ , e^+ , and Neutrino Spectra Produced by p - p Interaction in Astronomical Environments. 647, 692 (2006)
- KARLSSON, TORGNÝ. Primordial Stellar Feedback and the Origin of Hyper-Metal-poor Stars. Torgny Karlsson. 641, L41 (2006)
- KAROJI, HIROSHI. See KASHIKAWA, NOBUNARI, et al. Clustering of Lyman Break Galaxies at $z = 4$ and 5 in the Subaru Deep Field: Luminosity Dependence of the Correlation Function Slope. 637, 631 (2006)
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- KAROVSKA, MARGARITA. See WOOD, BRIAN E., et al. Mira B Rejuvenated. 649, 410 (2006)
- See MATTHEWS, LYNN D., et al. First Resolved Images of the Mira AB Symbiotic Binary at Centimeter Wavelengths. 637, L49 (2006)
- KARPEN, J. T. The Origin of High-Speed Motions and Threads in Prominences. J. T. Karpen, S. K. Antiochos, and J. A. Klimchuk. 637, 531 (2006)
- See SPADARO, D., et al. A Transient Heating Model for the Structure and Dynamics of the Solar Transition Region. 642, 579 (2006)
- KARR, J. See INGALLS, JAMES G., et al. Erratum: "Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey" (ApJS, 154, 281 [2004]). 164, 306 (2006)
- KARTAVYKH, Y. Y. See DRÖGE, W., et al. Acceleration and Transport Modeling of Solar Energetic Particle Charge States for the Event of 1998 September 9. 645, 1516 (2006)
- KASAI, YASUKO. See MORISAWA, YUSUKE, et al. Correlation between Nuclear Spin Ratio of Cyclic C_3H_2 and Chemical Evolution in TMC-1 Cores. 642, 954 (2006)
- KASDIN, N. JEREMY. Linear and Bayesian Planet Detection Algorithms for the Terrestrial Planet Finder. N. Jeremy Kasdin and Isabelle Braems. 646, 1260 (2006)
- See BELIKOV, RUSLAN, et al. Diffraction-based Sensitivity Analysis of Apodized Pupil-mapping Systems. 652, 833 (2006)
- KASEN, DANIEL. Secondary Maximum in the Near-Infrared Light Curves of Type Ia Supernovae. Daniel Kasen. 649, 939 (2006)
- Time-dependent Monte Carlo Radiative Transfer Calculations for Three-dimensional Supernova Spectra, Light Curves, and Polarization. Daniel Kasen, R. C. Thomas, and P. Nugent. 651, 366 (2006)
- KASHIKAWA, NOBUNARI. Clustering of Lyman Break Galaxies at $z = 4$ and 5 in the Subaru Deep Field: Luminosity Dependence of the Correlation Function Slope. Nobunari Kashikawa, Makiko Yoshida, Kazuhiro Shimasaku, Masahiro Nagashima, Hideki Yahagi, Masami Ouchi, Yuichi Matsuda, Matthew A. Malkan, Mamoru Doi, Masanori Iye, Masaru Ajiki, Masayuki Akiyama, Hiroyasu Ando, Kentaro Aoki, Hisanori Furusawa, Tomoki Hayashino, Fumihide Iwamuro, Hiroshi Kuroji, Naoto Kobayashi, Keiichi Kodaira, Tadayuki Kodama, Yutaka Komiya, Satoshi Miyazaki, Yoshihiko Mizumoto, Tomoki Morokuma, Kentaro Motohara, Takashi Murayama, Tohru Nagao, Kyoji Nariai, Kouji Ohta, Sadanori Okamura, Toshiyuki Sasaki, Yasunori Sato, Kazuhiro Sekiguchi, Yasuhiro Shioya, Hajime Tamura, Yoshiaki Taniguchi, Masayuki Umemura, Toru Yamada, and Naoki Yasuda. 637, 631 (2006)
- The End of the Reionization Epoch Probed by Ly α Emitters at $z = 6.5$ in the Subaru Deep Field. Nobunari Kashikawa, Kazuhiro Shimasaku, Matthew A. Malkan, Mamoru Doi, Yuichi Matsuda, Masami Ouchi, Yoshiaki Taniguchi, Chun Ly, Tohru Nagao, Masanori Iye, Kentaro Motohara, Takashi Murayama, Kouji Murozono, Kyoji Nariai, Kouji Ohta, Sadanori Okamura, Toshiyuki Sasaki, Yasuhiro Shioya, and Masayuki Umemura. 648, 7 (2006)
- See YOSHIDA, MAKIKO, et al. Luminosity Functions of Lyman Break Galaxies at $z \sim 4$ and $z \sim 5$ in the Subaru Deep Field. 653, 988 (2006)
- KASHLINSKY, A. Erratum: "Cosmic Infrared Background from Population III Stars and Its Effect on Spectra of High- z Gamma-Ray Bursts" (ApJ, 633, L5 [2005]). A. Kashlinsky. 640, L109 (2006)
- KASHYAP, V. See KIM, D.-W., et al. *Chandra* Multiwavelength Project: Normal Galaxies at Intermediate Redshift. 644, 829 (2006)
- KASHYAP, VINAY L. See PEASE, DERON O., et al. The Darkest Bright Star: *Chandra* X-Ray Observations of Vega. 636, 426 (2006)
- See GARCÍA-ÁLVAREZ, DAVID, et al. Evidence of the FIP Effect in the Coronae of Late-Type Giants. 638, 1028 (2006)
- See PARK, TAEYOUNG, et al. Bayesian Estimation of Hardness Ratios: Modeling and Computations. 652, 610 (2006)
- KASIAN, L. See CORDES, J. M., et al. Arecibo Pulsar Survey Using ALFA. I. Survey Strategy and First Discoveries. 637, 446 (2006)
- See LORIMER, D. R., et al. Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. 640, 428 (2006)
- KASLIWAL, M. See PENPRASE, B. E., et al. Spectroscopy of GRB 051111 at $z = 1.54948$: Kinematics and Elemental Abundances of the GRB Environment and Host Galaxy. 646, 358 (2006)
- See SODERBERG, A. M., et al. The Afterglow, Energetics, and Host Galaxy of the Short-Hard Gamma-Ray Burst 051221a. 650, 261 (2006)
- See CENKO, S. B., et al. Multiwavelength Observations of GRB 050820A: An Exceptionally Energetic Event Followed from Start to Finish. 652, 490 (2006)
- See FRAIL, D. A., et al. An Energetic Afterglow from a Distant Stellar Explosion. 646, L99 (2006)
- KASPER, M. See BILLER, B. A., et al. Discovery of a Brown Dwarf Very

- Close to the Sun: A Methane-rich Brown Dwarf Companion to the Low-Mass Star SCR 1845-6357. 641, L141 (2006)
- KASPI, SHAI. The High-Velocity Outflow of PG 1211+143 May Not Be That Fast. *Shai Kaspi and Ehud Behar*. 636, 674 (2006)
- See PETERSON, BRADLEY M., et al. Erratum: "Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. I. A Reverberation-based Measurement of the Black Hole Mass" (ApJ, 632, 799 [2005]). 641, 638 (2006)
- See O'NEILL, PAUL M., et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. II. X-Ray and Ultraviolet Continuum Variability. 645, 160 (2006)
- See DESROCHES, LOUIS-BENOÎT, et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. III. Optical Variability and X-Ray/UV/Optical Correlations. 650, 88 (2006)
- See SHEMAER, OHAD, et al. The Hard X-Ray Spectral Slope as an Accretion Rate Indicator in Radio-quiet Active Galactic Nuclei. 646, L29 (2006)
- KASPI, V. M. See CORDES, J. M., et al. Arecibo Pulsar Survey Using ALFA. I. Survey Strategy and First Discoveries. 637, 446 (2006)
- See LORIMER, D. R., et al. Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. 640, 428 (2006)
- See MANCHESTER, R. N., et al. Discovery of 14 Radio Pulsars in a Survey of the Magellanic Clouds. 649, 235 (2006)
- See TAM, C. R., et al. *Chandra* Observations of the Transient 7 s X-ray Pulsar AX J1845.0-0258. 652, 548 (2006)
- See GONZALEZ, M. E., et al. *Chandra* and *XMM-Newton* Observations of the Vela-like Pulsar B1046-58. 652, 569 (2006)
- KASPI, VICTORIA M. See GAVRIIL, FOTIS P., et al. A Burst and Simultaneous Short-Term Pulsed Flux Enhancement from the Magnetar Candidate 1E 1048.1-5937. 641, 418 (2006)
- See FAUCHER-GIGUÈRE, CLAUDE-ANDRÉ, et al. Birth and Evolution of Isolated Radio Pulsars. 643, 332 (2006)
- See LIVINGSTONE, MARGARET A., et al. A Braking Index for the Young, High Magnetic Field, Rotation-Powered Pulsar in Kesteven 75. 647, 1286 (2006)
- See CRAWFORD, FRONFIELD, et al. A Survey of 56 Midlatitude EGRET Error Boxes for Radio Pulsars. 652, 1499 (2006)
- KASSIM, N. E. See HEWITT, J. W., et al. Green Bank Telescope Observations of IC 443: The Nature of OH (1720 MHz) Masers and OH Absorption. 652, 1288 (2006)
- See BROGAN, C. L., et al. Discovery of 35 New Supernova Remnants in the Inner Galaxy. 639, L25 (2006)
- KASSIM, NAMIR E. See HYMAN, SCOTT D., et al. A New Radio Detection of the Transient Bursting Source GCRT J1745-3009. 639, 348 (2006)
- See LAZIO, T. JOSEPH W., et al. Cygnus A: A Long-Wavelength Resolution of the Hot Spots. 642, L33 (2006)
- KASSIN, S. See WILMER, C. N. A., et al. The Deep Evolutionary Exploratory Probe 2 Galaxy Redshift Survey: The Galaxy Luminosity Function to $z \sim 1$. 647, 853 (2006)
- KASSIN, SUSAN A. Dark and Baryonic Matter in Bright Spiral Galaxies. I. Near-Infrared and Optical Broadband Surface Photometry of 30 Galaxies. *Susan A. Kassin, Roelof S. de Jong, and Richard W. Pogge*. 162, 80 (2006)
- Dark and Baryonic Matter in Bright Spiral Galaxies. II. Radial Distributions for 34 Galaxies. *Susan A. Kassin, Roelof S. de Jong, and Benjamin J. Weiner*. 643, 804 (2006)
- See WEINER, BENJAMIN J., et al. A Survey of Galaxy Kinematics to $z \sim 1$ in the TKRS/GOODS-N Field. I. Rotation and Dispersion Properties. 653, 1027 (2006)
- See WEINER, BENJAMIN J., et al. A Survey of Galaxy Kinematics to $z \sim 1$ in the TKRS/GOODS-N Field. II. Evolution in the Tully-Fisher Relation. 653, 1049 (2006)
- KASSIS, MARC. Mid-Infrared Emission at Photodissociation Regions in the Orion Nebula. *Marc Kassis, Joseph D. Adams, Murray F. Campbell, Lynne K. Deutsch, Joseph L. Hora, James M. Jackson, and Eric V. Tollestrup*. 637, 823 (2006)
- See SHUPING, R. Y., et al. Silicate Emission Profiles from Low-Mass Protostellar Disks in the Orion Nebula: Evidence for Growth and Thermal Processing of Grains. 644, L71 (2006)
- KASTNER, JOEL. See O'DEA, CHRISTOPHER P., et al. *XMM-Newton* Detection of X-Ray Emission from the Compact Steep-Spectrum Radio Galaxy 3C 303.1. 653, 1115 (2006)
- KASTNER, JOEL H. *Spitzer* Spectroscopy of Dusty Disks around B[e] Hypergiants in the Large Magellanic Cloud. *Joel H. Kastner, Catherine L. Buchanan, B. Sargent, and W. J. Forrest*. 638, L29 (2006)
- V1647 Orionis: The X-Ray Evolution of a Pre-Main-Sequence Accretion Burst. *Joel H. Kastner, Michael Richmond, Nicolas Grosso, David A. Weintraub, Theodore Simon, Arne Henden, Kenji Hamaguchi, Adam Frank, and Hideki Ozawa*. 648, L43 (2006)
- KASUGA, T. Metallic Abundances of 2002 Leonid Meteoroids in Two Dust Trails Formed in Different Epochs: No Evidence of Solar Heating Effect. *T. Kasuga, J. Watanabe, T. Yamamoto, N. Ebizuka, and H. Kawakita*. 638, 1176 (2006)
- KASYRA, R. See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
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- See ENOMOTO, R., et al. CANGAROO III Observations of the Supernova Remnant RX J0852.0-4622. 652, 1268 (2006)
- KATAOKA, J. See STAWARZ, L., et al. Kiloparsec-Scale Jets in FR I Radio Galaxies and the γ -Ray Background. 637, 693 (2006)
- KATAOKA, JUN. The X-Ray Jet in Centaurus A: Clues to the Jet Structure and Particle Acceleration. *Jun Kataoka, Lukasz Stawarz, Felix Aharonian, Fumio Takahara, Michał Ostrowski, and Philip G. Edwards*. 641, 158 (2006)
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- See NISHIYAMA, SHOGO, et al. The Distance to the Galactic Center Derived from Infrared Photometry of Bulge Red Clump Stars. 647, 1093 (2006)
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- KATO, MARIKO. See HACHISU, IZUMI, et al. A Universal Decline Law of Classical Novae. 167, 59 (2006)
- See HACHISU, IZUMI, et al. The Prediction of a Supersoft X-Ray Phase during the 2006 Outburst of RS Ophiuchi. 642, L53 (2006)
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- KATO, TOMOHIRO. Constraining the Emission Properties of TeV Blazar H1426+428 by the Synchrotron Self-Compton Model. *Tomohiro Kato, Masaaki Kusumose, and Fumio Takahara*. 638, 653 (2006)
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- KAUFMAN, MICHAEL J. [Si II], [Fe II], [C II], and H₂ Emission from Massive Star-forming Regions. *Michael J. Kaufman, Mark. G. Wolfire, and David J. Hollenbach*. 644, 283 (2006)
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- KAVARS, D. W. See STIL, J. M., et al. Compact H I Clouds at High Forbidden Velocities in the Inner Galaxy. 637, 366 (2006)
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- See ALLEN, R. L., et al. Discovery of a Low-Eccentricity, High-Inclination Kuiper Belt Object at 58 AU. 640, L83 (2006)
- KAWABATA, KIYOSHI. See HAYATO, ASAMI, et al. Discovery of a Compact X-Ray Source in the LMC Supernova Remnant N23 with *Chandra*. 653, 280 (2006)
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- KAWAKATU, NOZOMU. Type I Ultraluminous Infrared Galaxies: Transition Stage from ULIRGs to QSOs. *Nozomu Kawakatu, Naohisa Anabuki, Tohru Nagao, Masayuki Umemura, and Takao Nakagawa*. 637, 104 (2006)
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- KAWARA, KIMIYAKI. See TSUZUKI, YUMHIKO, et al. Fe II Emission in 14 Low-Redshift Quasars. I. Observations. 650, 57 (2006)
- KAWASAKI, MASAHIRO. See FUKUGITA, MASATAKA, et al. Primordial Helium Abundance: A Reanalysis of the Izotov–Thuan Spectroscopic Sample. 646, 691 (2006)
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- KAWKA, ADELA. Spectroscopic Identification of Cool White Dwarfs in the Solar Neighborhood. *Adela Kawka and Stéphane Vennes*. 643, 402 (2006)
- LP 400-22, a Very Low Mass and High-Velocity White Dwarf. *Adela Kawka, Stéphane Vennes, Terry D. Oswalt, J. Allyn Smith, and Nicole M. Silvestri*. 643, L123 (2006)
- KAY, SCOTT T. See MUANWONG, ORRARIJEE, et al. Evolution of X-Ray Cluster Scaling Relations in Simulations with Radiative Cooling and Nongravitational Heating. 649, 640 (2006)
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- KAYE, A. B. See BOYAJIAN, T. S., et al. The B Supergiant Components of the Double-lined Binary HD 1383. 646, 1209 (2006)
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- KAZANAS, D. See REIG, P., et al. Fourier-resolved Spectroscopy of 4U 1543–47 during the 2002 Outburst. 644, 424 (2006)
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- KAZANTZIDIS, STELIOS. The Robustness of Dark Matter Density Profiles in Dissipationless Mergers. *Stelios Kazantzidis, Andrew R. Zentner, and Andrey V. Kravtsov*. 641, 647 (2006)
- KAZEMINEZHAD, FARZAD. Magnetohydrodynamic Simulations of Solar Chromospheric Dynamics Using a Complete Electrical Conductivity Tensor. *Farzad Kazeminezhad and Michael L. Goodman*. 166, 613 (2006)
- KEARNS, E. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- KEDZIORA-CHUDCZER, LUCYNA. See OJHA, ROOPESH, et al. Scatter Broadening of Scintillating and Nonscintillating AGNs. I. A Multifrequency VLBA Survey. 166, 37 (2006)
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- KEENAN, F. P. Soft X-Ray Emission Lines of Fe XV in Solar Flare Observations and the *Chandra* Spectrum of Capella. *F. P. Keenan, J. J. Drake, S. Chung, N. S. Brickhouse, K. M. Aggarwal, A. Z. Msezane, R. S. I. Ryans, and D. S. Bloomfield*. 645, 597 (2006)

- KEENAN, FRANCIS P. See BLOOMFIELD, D. SHAUN, et al. The Influence of Magnetic Field on Oscillations in the Solar Chromosphere. 652, 812 (2006)
- See MILLIGAN, RYAN O., et al. *RHESSI* and *SOHO* CDS Observations of Explosive Chromospheric Evaporation. 638, L117 (2006)
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- KEENE, J. See BROOKES, M. H., et al. *Spitzer* Observations of Centaurus A: Infrared Synchrotron Emission from the Northern Lobe. 646, L41 (2006)
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- See QUILLEN, ALICE C., et al. Discovery of a 500 Parsec Shell in the Nucleus of Centaurus A. 641, L29 (2006)
- KEENEY, BRIAN A. Does the Milky Way Produce a Nuclear Galactic Wind? Brian A. Keeney, Charles W. Danforth, John T. Stocke, Steven V. Penton, J. Michael Shull, and Kenneth R. Sembach. 646, 951 (2006)
- KEETON, CHARLES. See MOMCHEVA, IVELINA, et al. A Spectroscopic Study of the Environments of Gravitational Lens Galaxies. 641, 169 (2006)
- KEETON, CHARLES R. Differential Microlensing of the Continuum and Broad Emission Lines in SDSS J0924+0219, the Most Anomalous Lensed Quasar. Charles R. Keeton, Scott Burles, Paul L. Schechter, and Joachim Wambsgans. 639, 1 (2006)
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- KELLER, S. C. Bump Cepheids in the Magellanic Clouds: Metallicities, the Distances to the LMC and SMC, and the Pulsation-Evolution Mass Discrepancy. S. C. Keller and P. R. Wood. 642, 834 (2006)
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- KELLOGG, P. J. Solar Wind Electric Fields in the Ion Cyclotron Frequency Range. P. J. Kellogg, S. D. Bale, F. S. Mozer, T. S. Horbury, and H. Reme. 645, 704 (2006)
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- KELSON, D. D. See HOLDEN, B. P., et al. The Possible $z = 0.83$ Precursors of $z = 0$, M^* Early-Type Cluster Galaxies. 642, L123 (2006)
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- KENNEDY, GRANT M. Planet Formation around Low-Mass Stars: The Moving Snow Line and Super-Earths. Grant M. Kennedy, Scott J. Kenyon, and Benjamin C. Bromley. 650, L139 (2006)
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- II. The Star Formation Rate Density of the Local Universe. 649, 150 (2006)
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- See AUFDENBERG, J. P., et al. Erratum: “First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star” (ApJ, 645, 664 [2006]). 651, 617 (2006)
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- KILDEA, J. See REBILLOT, P. F., et al. Multiwavelength Observations of the Blazar Markarian 421 in 2002 December and 2003 January. 641, 740 (2006)
- See PERKINS, J. S., et al. TeV Gamma-Ray Observations of the Perseus and Abell 2029 Galaxy Clusters. 644, 148 (2006)
- KILGARD, R. E. Erratum: "A *Chandra* Survey of Nearby Spiral Galaxies. I. Point Source Catalogs" (ApJS, 159, 214 [2005]). R. E. Kilgard, J. J. Cowan, M. R. Garcia, P. Kaaret, M. I. Krauss, J. C. McDowell, A. H. Prestwich, F. A. Primini, C. J. Stockdale, G. Trinchieri, M. J. Ward, and A. Zezas. 163, 424 (2006)
- KILGARD, ROY. See POLLETTA, MARIA DEL CARMEN, et al. *Chandra* and *Spitzer* Unveil Heavily Obscured Quasars in the *Chandra*/SWIRE Survey. 642, 673 (2006)
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- KIM, BRYAN. Addendum: "The Velocity Field of Baryonic Gas in the Universe" (ApJ, 625, 599 [2005]). *Bryan Kim, Ping He, Jesus Pando, Long-Long Feng, and Li-Zhi Fang*. 639, 571 (2006)
- KIM, CHANG-GOO. Interstellar Turbulence Driving by Galactic Spiral Shocks. *Chang-Goo Kim, Woong-Tae Kim, and Eve C. Ostriker*. 649, L13 (2006)
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- KIM, HYUN-GOO. See KANG, JINA, et al. Time Monitoring Observations of SiO $J = 2-1$ and $J = 3-2$ Maser Emission toward Late-Type Stars. 165, 360 (2006)

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- KING, A. R. See BALDI, A., et al. Chemical Enrichment of the Complex Hot ISM of the Antennae Galaxies. I. Spatial and Spectral Analysis of the Diffuse X-Ray Emission. 162, 113 (2006)
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- See BALDI, A., et al. Chemical Enrichment of the Complex Hot ISM of the Antennae Galaxies. II. Physical Properties of the Hot Gas and Supernova Feedback. 636, 158 (2006)
- See HYNES, R. I., et al. Multiwavelength Observations of EXO 0748-676. I. Reprocessing of X-Ray Bursts. 648, 1156 (2006)
- See PEARSON, K. J., et al. Multiwavelength Observations of EXO 0748-676. II. Emission-Line Behavior. 648, 1169 (2006)
- See FABBIANO, G., et al. The Modulated Emission of the Ultraluminous X-Ray Source in NGC 3379. 650, 879 (2006)
- See KIM, D.-W., et al. Probing the Low-Luminosity X-Ray Luminosity Function in Normal Elliptical Galaxies. 652, 1090 (2006)
- See PAGE, K. L., et al. GRB 050911: A Black Hole-Neutron Star Merger or a Naked GRB. 637, L13 (2006)
- KING, ANDREW R. See McLAUGHLIN, DEAN E., et al. The $M-\sigma$ Relation for Nucleated Galaxies. 650, L37 (2006)
- KING, JEREMY R. See SCHULER, SIMON C., et al. Oxygen from the $\lambda 7774$ High-Excitation Triplet in Open Cluster Dwarfs: Hyades. 636, 432 (2006)
- KINUGASA, K. See KOTANI, T., et al. A Massive Jet Ejection Event from the Microquasar SS 433 Accompanying Rapid X-Ray Variability. 637, 486 (2006)
- See NYSEWANDER, M. C., et al. Early Time Chromatic Variations in the Wind-swept Medium of GRB 021211 and the Faintness of Its Afterglow. 651, 994 (2006)
- KIZILOGLU, Ü. See QUIMBY, R. M., et al. Early-Time Observations of the GRB 050319 Optical Transient. 640, 402 (2006)
- KIPPORN, RICHARD A. See LOMMEN, ANDREA N., et al. The Parallax and Proper Motion of PSR J0030+0451. 642, 1012 (2006)
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- KIRKPATRICK, J. DAVY. See BURGASSER, ADAM J., et al. *Hubble Space Telescope* NICMOS Observations of T Dwarfs: Brown Dwarf Multiplicity and New Probes of the L/T Transition. 166, 585 (2006)
- See BURGASSER, ADAM J., et al. A Unified Near-Infrared Spectral Classification Scheme for T Dwarfs. 637, 1067 (2006)
- See BURGASSER, ADAM J., et al. A Method for Determining the Physical Properties of the Coldest Known Brown Dwarfs. 639, 1095 (2006)
- Discovery of a Very Young Field L Dwarf, 2MASS J01415823-4633574.

- J. Davy Kirkpatrick, Travis S. Barman, Adam J. Burgasser, Mark R. McGovern, Ian S. McLean, Christopher G. Tinney, and Patrick J. Lowrance. 639, 1120 (2006)
- See BURGASSER, ADAM J., et al. Discovery of the Coolest Extreme Subdwarf. 645, 1485 (2006)
- See CUSHING, MICHAEL C., et al. A *Spitzer* Infrared Spectrograph Spectral Sequence of M, L, and T Dwarfs. 648, 614 (2006)
- See MORALES-CALDERÓN, M., et al. A Sensitive Search for Variability in Late L Dwarfs: The Quest for Weather. 653, 1454 (2006)
- KIRM, M. A. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- KIRSHNER, R. P. See MODJAZ, M., et al. Early-Time Photometry and Spectroscopy of the Fast Evolving SN 2006aj Associated with GRB 060218. 645, L21 (2006)
- KIRSHNER, ROBERT P. See CLOCCIATTI, ALEJANDRO, et al. *Hubble Space Telescope* and Ground-based Observations of Type Ia Supernovae at Redshift 0.5: Cosmological Implications. 642, 1 (2006)
- See MORSE, JON A., et al. *Hubble Space Telescope* Observations of Oxygen-rich Supernova Remnants in the Magellanic Clouds. III. WFPC2 Imaging of the Young, Crab-like Supernova Remnant SNR 0540-69.3. 644, 188 (2006)
- See HENG, KEVIN, et al. Evolution of the Reverse Shock Emission from SNR 1987A. 644, 959 (2006)
- See BOUCHET, PATRICE, et al. SN 1987A after 18 Years: Mid-Infrared Gemini and *Spitzer* Observations of the Remnant. 650, 212 (2006)
- KISLOV, V. V. See GUO, Y., et al. A Combined Experimental and Theoretical Study of the Reaction of Dicarboxyl (C_2) with Di-Acetylene (HCCD): Possible Mechanisms for Deuterium Enrichment in the Interstellar Di-Butadienyl Radical, $CCCCD(X^+)$. 653, 1577 (2006)
- KISNER, T. S. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- KISS, CS. See MOÖR, A., et al. Nearby Debris Disk Systems with High Fractional Luminosity Reconsidered. 644, 525 (2006)
- KISS, L. L. See FOR, B.-Q., et al. First Attempt at Spectroscopic Detection of Gravity Modes in the Long-Period Pulsating Subdwarf B Star PG 1627+017. 642, 1117 (2006)
- See RANDALL, S. K., et al. Asteroseismological Studies of Long-Period Variable Subdwarf B Stars. I. A Multisite Campaign on PG 1627+017. 643, 1198 (2006)
- See MOÖR, A., et al. Nearby Debris Disk Systems with High Fractional Luminosity Reconsidered. 644, 525 (2006)
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- KISSEL, S. See TERADA, Y., et al. Cyclotron Resonance Energies at a Low X-Ray Luminosity: A0535+262 Observed with *Suzaku*. 648, L139 (2006)
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- KITAMOTO, S. See TERADA, Y., et al. Cyclotron Resonance Energies at a Low X-Ray Luminosity: A0535+262 Observed with *Suzaku*. 648, L139 (2006)
- KITAMURA, YOSHIMI. See FURUYA, RAY S., et al. The Initial Conditions for Gravitational Collapse of a Core: An Extremely Young Low-Mass Class 0 Protostar GF 9-2. 653, 1369 (2006)
- KITAYAMA, TETSU. See OTA, NAOMI, et al. L_X - T Relation and Related Properties of Galaxy Clusters. 640, 673 (2006)
- KIUCHI, GAKU. Host Galaxies of Hard X-Ray-Selected Type 2 Active Galactic Nuclei at Intermediate Redshifts. *Gaku Kiuchi, Kouji Ohta, Masayuki Akiyama, Kentaro Aoki, and Yoshihiro Ueda*. 647, 892 (2006) Erratum: "Host Galaxies of Hard X-Ray-Selected Type 2 Active Galactic Nuclei at Intermediate Redshifts" (ApJ, 647, 892 [2006]). *Gaku Kiuchi, Kouji Ohta, Masayuki Akiyama, Kentaro Aoki, and Yoshihiro Ueda*. 653, 1583 (2006)
- KIUCHI, R. See ENOMOTO, R., et al. A Search for Sub-TeV Gamma Rays from the Vela Pulsar Region with CANGAROO-III. 638, 397 (2006)
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- KIYOTA, SEIICHIRO. See HACHISU, IZUMI, et al. The Hydrogen-Burning Turnoff of RS Ophiuchi (2006). 651, L141 (2006)
- KIZILOLU, Ü. See YOST, S. A., et al. Optical Light Curve and Cooling Break of GRB 050502A. 636, 959 (2006)
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- KJELSDEN, H. See DEREKAS, A., et al. Ellipsoidal Variability and Long Secondary Periods in MACHO Red Giant Stars. 650, L55 (2006)
- KJELSDEN, HANS. See BEDDING, TIMOTHY R., et al. Solar-like Oscillations in the Metal-poor Subgiant ν Indi: Constraining the Mass and Age Using Asteroseismology. 647, 558 (2006)
- KLAASSEN, P. D. The Possibly Remnant Massive Outflow in G5.89-0.39. I. Observations and Initial Magnetohydrodynamic Simulations. *P. D. Klaassen, R. Plume, R. Ouyed, A. M. von Benda-Beckmann, and J. Di Francesco*. 648, 1079 (2006)
- KLAHR, H. See JOHANSEN, A., et al. Gravitational Formation of Planetesimals. 636, 1121 (2006)
- KLAHR, HUBERT. Formation of Giant Planets by Concurrent Accretion of Solids and Gas inside an Anticyclonic Vortex. *Hubert Klahr and Peter Bodenheimer*. 639, 432 (2006)
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- KLECKER, B. See DRÖGE, W., et al. Acceleration and Transport Modeling of Solar Energetic Particle Charge States for the Event of 1998 September 9. 645, 1516 (2006)
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- KLEIN, RICHARD I. See NAKAMURA, FUMITAKA, et al. On the Hydrodynamic Interaction of Shock Waves with Interstellar Clouds. II. The Effect of Smooth Cloud Boundaries on Cloud Destruction and Cloud Turbulence. 164, 477 (2006)
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- See LI, PAK SHING, et al. The Heavy-Ion Approximation for Ambipolar Diffusion Calculations for Weakly Ionized Plasmas. 653, 1280 (2006)
- KLEINER, I. See HOLLIS, J. M., et al. Detection of Acetamide (CH_3CONH_2): The Largest Interstellar Molecule with a Peptide Bond. 643, L25 (2006)
- KLEINMAN, S. J. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- See TRUMP, JONATHAN R., et al. A Catalog of Broad Absorption Line Quasars from the Sloan Digital Sky Survey Third Data Release. 165, 1 (2006)
- See BERLIND, ANDREAS A., et al. Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. 167, 1 (2006)
- See EISENSTEIN, DANIEL J., et al. A Catalog of Spectroscopically Confirmed White Dwarfs from the Sloan Digital Sky Survey Data Release 4. 167, 40 (2006)
- See ZUCKER, D. B., et al. A New Milky Way Dwarf Satellite in Canes Venatici. 643, L103 (2006)
- See BELOKUROV, V., et al. A Faint New Milky Way Satellite in Bootes. 647, L111 (2006)
- See ZUCKER, D. B., et al. A Curious Milky Way Satellite in Ursa Major. 650, L41 (2006)

- KLEIN-WOLT, M. See BOUTLOUKOS, S., et al. Discovery of Twin kHz QPOs in the Peculiar X-Ray Binary Circinus X-1. 653, 1435 (2006)
- KLESSEN, RALF S. See BALLESTEROS-PAREDES, JAVIER, et al. The Mass Spectra of Cores in Turbulent Molecular Clouds and Implications for the Initial Mass Function. 637, 384 (2006)
- See LI, YUEXING, et al. Star Formation in Isolated Disk Galaxies. II. Schmidt Laws and Efficiency of Gravitational Collapse. 639, 879 (2006)
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- KLEYNA, JAN T. See WYSE, ROSEMARY F. G., et al. Further Evidence of a Merger Origin for the Thick Disk: Galactic Stars along Lines of Sight to Dwarf Spheroidal Galaxies. 639, L13 (2006)
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- See KANN, D. A., et al. Signatures of Extragalactic Dust in Pre-Swift GRB Afterglows. 641, 993 (2006)
- See NYSEWANDER, M. C., et al. Early Time Chromatic Variations in the Wind-swept Medium of GRB 021211 and the Faintness of Its Afterglow. 651, 994 (2006)
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- KLYPIN, A. See COLÍN, PEDRO, et al. Bars and Cold Dark Matter Halos. 644, 687 (2006)
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- KLYPIN, ANATOLY A. See AZZARO, MARCO, et al. The Peculiar Velocities of Satellites of External Disk Galaxies. 645, 228 (2006)
- See PRADA, FRANCISCO, et al. How Far Do They Go? The Outer Structure of Galactic Dark Matter Halos. 645, 1001 (2006)
- See CHEN, JACQUELINE, et al. Constraining the Projected Radial Distribution of Galactic Satellites with the Sloan Digital Sky Survey. 647, 86 (2006)
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- KNAPP, B. C. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- KNAPP, G. R. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- See DUFOUR, P., et al. Model Atmosphere Analysis of the Weakly Magnetic DZ White Dwarf G165-7. 651, 1112 (2006)
- KNAPP, GILLIAN R. See TRUMP, JONATHAN R., et al. A Catalog of Broad Absorption Line Quasars from the Sloan Digital Sky Survey Third Data Release. 165, 1 (2006)
- KNAUTH, DAVID. See LINSKY, JEFFREY L., et al. What Is the Total Deuterium Abundance in the Local Galactic Disk? 647, 1106 (2006)
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- KNEER, F. See CERDEÑA, I. DOMÍNGUEZ, et al. The Distribution of Quiet Sun Magnetic Field Strengths from 0 to 1800 G. 636, 496 (2006)
- See DOMÍNGUEZ CERDEÑA, I., et al. Quiet Sun Magnetic Fields from Simultaneous Inversions of Visible and Infrared Spectropolarimetric Observations. 646, 1421 (2006)
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- KNEZ, CLAUDIA. See KESSLER-SILACCI, JACQUELINE, et al. c2d Spitzer IRS Spectra of Disks around T Tauri Stars. I. Silicate Emission and Grain Growth. 639, 275 (2006)
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- See HANISH, D. J., et al. The Survey for Ionization in Neutral Gas Galaxies. II. The Star Formation Rate Density of the Local Universe. 649, 150 (2006)
- KNIAZEV, A. Y. See ZUCKER, D. B., et al. A Curious Milky Way Satellite in Ursa Major. 650, L41 (2006)
- KNIAZEV, ALEXEI YU. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- KNIGGE, C. A Blue Straggler Binary with Three Progenitors in the Core of a Globular Cluster? C. Knigge, R. L. Gilliland, A. Dieball, D. R. Zurek, M. N. Shara, and K. S. Long. 641, 281 (2006)
- KNIGHT, H. S. Green Bank Telescope Studies of Giant Pulses from Millisecond Pulsars. H. S. Knight, M. Bailes, R. N. Manchester, S. M. Ord, and B. A. Jacoby. 640, 941 (2006)
- A Study of Giant Pulses from PSR J1824-2452A. H. S. Knight, M. Bailes, R. N. Manchester, and S. M. Ord. 653, 580 (2006)
- KNÖDLSER, J. See RENAUD, M., et al. The Signature of ^{44}Ti in Cassiopeia A Revealed by IBIS/ISGRI on INTEGRAL. 647, L41 (2006)
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- See ZHAN, HU, et al. Baryon Oscillations and Consistency Tests for Photometrically Determined Redshifts of Very Faint Galaxies. 644, 663 (2006)
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- Weighing the Universe with Photometric Redshift Surveys and the Impact on Dark Energy Forecasts. Lloyd Knox, Yong-Seon Song, and Hu Zhan. 652, 857 (2006)
- KNUDSEN, KIRSTEN K. See RIECHERS, DOMINIK A., et al. A Search for H_2O in the Strongly Lensed QSO MG 0751+2716 at $z = 3.2$. 649, 635 (2006)
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- KNUTSON, H. See BAKOS, G. Á., et al. Refined Parameters of the Planet Orbiting HD 189733. 650, 1160 (2006)
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- KO, CHUNG-MING. See KUWABARA, TAKUHIITO, et al. Parker-Jeans Instability of Gaseous Disks Including the Effect of Cosmic Rays. 636, 290 (2006)
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- KO, Y.-K. See BEMPORAD, A., et al. Current Sheet Evolution in the Aftermath of a CME Event. 638, 1110 (2006)
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- KO, YUAN-KUEN. Abundance Variation at the Vicinity of an Active Region and the Coronal Origin of the Slow Solar Wind. Yuan-Kuen Ko, John C.

- Raymond, Thomas H. Zurbuchen, Pete Riley, Jim M. Raines, and Leonard Strachan. 646, 1275 (2006)
- KOBAYASHI, CHIAKI. Galactic Chemical Evolution: Carbon through Zinc. Chiaki Kobayashi, Hideyuki Umeda, Ken'ichi Nomoto, Nozomu Tominaga, and Takuya Ohkubo. 653, 1145 (2006)
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- KOBAYASHI, KEN. Hard X-Ray Spectral Observation of a High-Temperature Thermal Flare. Ken Kobayashi, Saku Tsumeta, Tomonori Tamura, Kazuyoshi Kumagai, Yukio Katsukawa, Masahito Kubo, Yasushi Sakamoto, Naoki Kohara, Takamasa Yamagami, and Yoshitaka Saito. 648, 1239 (2006)
- KOBAYASHI, MASAKAZU A. R. Ly α Line Spectra of the First Galaxies: Dependence on Observed Direction to the Underlying Cold Dark Matter Filament. Masakazu A. R. Kobayashi, Hideyuki Kamaya, and Atsunori Yonehara. 636, 1 (2006)
- KOBAYASHI, NAOTO. See KASHIKAWA, NOBUNARI, et al. Clustering of Lyman Break Galaxies at $z = 4$ and 5 in the Subaru Deep Field: Luminosity Dependence of the Correlation Function Slope. 637, 631 (2006)
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- History of Early-Type Galaxies in the Ultra Deep Field/GRAPES Survey. 636, 115 (2006)
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- See TERADA, Y., et al. Cyclotron Resonance Energies at a Low X-Ray Luminosity: A0535+262 Observed with *Suzaku*. 648, L139 (2006)
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- Black Hole Masses and Eddington Ratios at $0.3 < z < 4$. *Juna A. Kollmeier, Christopher A. Onken, Christopher S. Kochanek, Andrew Gould, David H. Weinberg, Matthias Dietrich, Richard Cool, Arjun Dey, Daniel J. Eisenstein, Buell T. Jannuzi, Emeric Le Floch, and Daniel Stern*. 648, 128 (2006)
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- KOMOSSA, STEFANIE. The Radio-Loud Narrow-Line Quasar SDSS J172206.03+565451.6. *Stefanie Komossa, Wolfgang Voges, Hans-Martin Adorf, Dawei Xu, Smita Mathur, and Scott F. Anderson*. 639, 710 (2006)
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- KONDRATKO, P. T. Discovery of Water Maser Emission in Eight AGNs with 70 m Antennas of NASA's Deep Space Network. *P. T. Kondratko, L. J. Greenhill, J. M. Moran, J. E. J. Lovell, T. B. H. Kuiper, D. L. Jauncey, L. B. Cameron, J. F. Gómez, C. García-Miró, E. Moll, I. de Gregorio-Monsalvo, and E. Jiménez-Bailón*. 638, 100 (2006)
- Erratum: "Discovery of Water Maser Emission in Eight AGNs with 70 m Antennas of NASA's Deep Space Network" (*ApJ*, 638, 100 [2006]). *P. T. Kondratko, L. J. Greenhill, J. M. Moran, J. E. J. Lovell, T. B. H. Kuiper, D. L. Jauncey, L. B. Cameron, J. F. Gómez, C. García-Miró, E. Moll, I. de Gregorio-Monsalvo, J. McCallum, and E. Jiménez-Bailón*. 649, 561 (2006)
- KONDRATKO, PAUL T. Discovery of Water Maser Emission in Five AGNs and a Possible Correlation Between Water Maser and Nuclear 2–10 keV Luminosities. *Paul T. Kondratko, Lincoln J. Greenhill, and James M. Moran*. 652, 136 (2006)
- KONG, A. K. H. See SOKOLOSKI, J. L., et al. A "Combination Nova" Outburst in Z Andromedae: Nuclear Shell Burning Triggered by a Disk Instability. 636, 1002 (2006)
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- KONG, X. A Wide Area Survey for High-Redshift Massive Galaxies. I. Number Counts and Clustering of BzKs and EROs. *X. Kong, E. Daddi, N. Arimoto, A. Renzini, T. Broadhurst, A. Cimatti, C. Ikuta, K. Ohta, L. da Costa, L. F. Olsen, M. Onodera, and N. Tamura*. 638, 72 (2006)
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- KOO, DAVID C. See SARAJEDINI, VICKI L., et al. The DEEP Groth Strip Survey. VI. Spectroscopic, Variability, and X-Ray Detection of Active Galactic Nuclei. 166, 69 (2006)
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- KOOPMANN, REBECCA A. An Atlas of $H\alpha$ and R Images and Radial Profiles of 29 Bright Isolated Spiral Galaxies. *Rebecca A. Koopmann and Jeffrey D. P. Kenney*. 162, 97 (2006)
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- KOOPMANS, LÉON V. E. See BOLTON, ADAM S., et al. The Sloan Lens ACS Survey. I. A Large Spectroscopically Selected Sample of Massive Early-Type Lens Galaxies. 638, 703 (2006)
- The Sloan Lens ACS Survey. III. The Structure and Formation of Early-Type Galaxies and Their Evolution since $z \approx 1$. *Léon V. E. Koopmans, Tommaso Treu, Adam S. Bolton, Scott Burles, and Leonidas A. Moustakas*. 649, 599 (2006)
- See TREU, TOMMASO, et al. Erratum: "The Sloan Lens ACS Survey. II. Stellar Populations and Internal Structure of Early-Type Lens Galaxies" (*ApJ*, 640, 662 [2006]). 650, L219 (2006)
- KOPOSOV, SERGEY. See BELL, ERIC F., et al. Dry Mergers in GEMS: The Dynamical Evolution of Massive Early-Type Galaxies. 640, 241 (2006)
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- KORMOS, L. L. See AHARMIM, B., et al. A Search for Neutrinos from the Solar hep Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- See SEON, K.-I., et al. Far-Ultraviolet Spectral Images of the Cygnus Loop. 644, L175 (2006)
- See LEE, D.-H., et al. Diffuse Far-Ultraviolet Observations of the Taurus Region. 644, L181 (2006)
- See RYU, K., et al. Molecular Hydrogen Fluorescence in the Eridanus Superbubble. 644, L185 (2006)
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- KORPELA, ERIC J. Far-Ultraviolet Observations of the North Ecliptic Pole with SPEAR. *Eric J. Korpele, Jerry Edelstein, Julia Kregenow, Kaori Nishikida, Kyoung-Wook Min, Dae-Hee Lee, Kwangsun Ryu, Wonyong Han, Uk-Won Nam, and Jang-Hyun Park*. 644, L163 (2006)
- KORYCANSKY, D. G. Shoemaker-Levy 9 Impact Modeling. I. High-Resolution Three-dimensional Bolides. *D. G. Korycansky, Joseph Harrington, Drake Deming, and Matthew E. Kulick*. 646, 642 (2006)
- KORZENNIK, SYLVAIN G. See SOZZETTI, ALESSANDRO, et al. A Keck HIRES Doppler Search for Planets Orbiting Metal-Poor Dwarfs. I. Testing Giant Planet Formation and Migration Scenarios. 649, 428 (2006)
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- KOSHIO, Y. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- KOTAK, RUBINA. *Spitzer* Measurements of Atomic and Molecular Abundances in the Type IIP SN 2005af. *Rubina Kotak, Peter Meikle, Monica Pozzo, Schuyler D. van Dyk, Duncan Farrah, Robert Fesen, Alexei V. Filippenko, Ryan J. Foley, Claes Fransson, Christopher L. Gerards, Peter A. Höflich, Peter Lundqvist, Seppo Mattila, Jesper Sollerman, and J. Craig Wheeler*. 651, L117 (2006)
- KOTAKE, KEI. See OHNISHI, NAOFUMI, et al. Numerical Analysis of Standing Accretion Shock Instability with Neutrino Heating in Supernova Cores. 641, 1018 (2006)
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- KOTANI, T. A Massive Jet Ejection Event from the Microquasar SS 433 Accompanying Rapid X-Ray Variability. *T. Kotani, S. A. Trushkin, R. Valiullin, K. Kinugasa, S. Safi-Harb, N. Kawai, and M. Namiki*. 637, 486 (2006)
- See TERADA, Y., et al. Cyclotron Resonance Energies at a Low X-Ray Luminosity: A0535+262 Observed with *Suzaku*. 648, L139 (2006)
- KOTANI, TARO. Erratum: "ASCA Observations of the Absorption Line Features from the Superluminal Jet Source GRS 1915+105" (ApJ, 539, 413 [2000]). *Taro Kotani, Ken Ebisawa, Tadayasu Dotani, Hajime Inoue, Fumiaki Nagase, Yasuo Tanaka, and Yoshihiro Ueda*. 651, 615 (2006)
- KOTHES, ROLAND. The Boomerang PWN G106.6+2.9 and the Magnetic Field Structure in Pulsar Wind Nebulae. *Roland Kothes, Wolfgang Reich, and Bülent Uyaniker*. 638, 225 (2006)
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- KOTOV, O. *Chandra* Sample of Galaxy Clusters at $z = 0.4-0.55$: Evolution in the Mass-Temperature Relation. *O. Kotov and A. Vikhlinin*. 641, 752 (2006)
- KOTOV, OLEG. A Cluster of Galaxies Hiding behind M31: *XMM-Newton* Observations of RX J0046.4+4204. *Oleg Kotov, Sergey Trudolyubov, and W. Thomas Vestrand*. 641, 756 (2006)
- KOULOURIDIS, E. Local and Large-Scale Environment of Seyfert Galaxies. *E. Koulouridis, M. Plionis, V. Chavushyan, D. Dultzin-Hacyan, Y. Krongold, and C. Goudis*. 639, 37 (2006)
- KOULOURIDIS, ELIAS. A Three-dimensional Study of the Local Environment of Bright IRAS Galaxies: The Active Galactic Nucleus-Starburst Connection. *Elias Koulouridis, Vahram Chavushyan, Manolis Plionis, Yair Krongold, and Deborah Dultzin-Hacyan*. 651, 93 (2006)
- KOUSHIAPPAS, SAVVAS M. Testing Models of Supermassive Black Hole Seed Formation through Gravity Waves. *Savvas M. Koushiappas and Andrew R. Zentner*. 639, 7 (2006)
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- KOUVELIOTOU, CHRYSSA. See GÖĞÜŞ, ERSIN, et al. Erratum: "Chandra Localization of XTE J1906+090 and Discovery of Its Optical and Infrared Counterparts" (ApJ, 632, 1069 [2005]). 637, 553 (2006)
- See LEVAN, ANDREW, et al. Infrared and Optical Observations of GRB 030115 and its Extremely Red Host Galaxy: Implications for Dark Bursts. 647, 471 (2006)
- See GRUPE, DIRK, et al. Jet Breaks in Short Gamma-Ray Bursts. I. The Uncollimated Afterglow of GRB 050724. 653, 462 (2006)
- See BURROWS, DAVID N., et al. Jet Breaks in Short Gamma-Ray Bursts. II. The Collimated Afterglow of GRB 051221A. 653, 468 (2006)
- KOVÁCS, A. SHARC-2 350 μm Observations of Distant Submillimeter-selected Galaxies. *A. Kovács, S. C. Chapman, C. D. Dowell, A. W. Blain, R. J. Ivison, I. Smail, and T. G. Phillips*. 650, 592 (2006)
- KOVÁCS, ATTILA. See BELEN, ALEXANDRE, et al. 350 μm Dust Emission from High-Redshift Quasars. 642, 694 (2006)
- KOVALEV, Y. Y. See HOMAN, D. C., et al. Intrinsic Brightness Temperatures of AGN Jets. 642, L115 (2006)
- KOWALSKI, M. See CONLEY, A., et al. Measurement of Ω_m , Ω_Λ from a Blind Analysis of Type Ia Supernovae with CMAGIC: Using Color Information to Verify the Acceleration of the Universe. 644, 1 (2006)
- KOWALSKI, M. P. See FOLEY, R. J., et al. GRB 050408: A Bright Gamma-Ray Burst Probing an Atypical Galactic Environment. 645, 450 (2006)
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- KOWALSKI, P. M. Found: The Missing Blue Opacity in Atmosphere Models of Cool Hydrogen White Dwarfs. *P. M. Kowalski and D. Saumon*. 651, L137 (2006)
- KOWALSKI, PIOTR M. On the Dissociation Equilibrium of H_2 in Very Cool, Helium-rich White Dwarf Atmospheres. *Piotr M. Kowalski*. 641, 488 (2006)
- The Pseudocontinuum Bound-Free Opacity of Hydrogen and Its Importance in Cool White Dwarf Atmospheres. *Piotr M. Kowalski*. 651, 1120 (2006)
- KOYAMA, HIROSHI. See INOUE, TSUYOSHI, et al. Structure and Stability of Phase Transition Layers in the Interstellar Medium. 652, 1331 (2006)
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- KOZYREV, A. See HURLEY, K., et al. *Mars Odyssey* Joins the Third Interplanetary Network. 164, 124 (2006)
- KRABBE, A. Diffraction-limited Imaging Spectroscopy of the Sagittarius A* Region Using OSIRIS, a New Keck Instrument. *A. Krabbe, C. Iserlohe, J. E. Larkin, M. Barczys, M. McElwain, J. Weiss, S. A. Wright, and A. Quirrenbach*. 642, L145 (2006)
- KRAEMER, K. E. See SLOAN, G. C., et al. Mid-Infrared Spectroscopy of Carbon Stars in the Small Magellanic Cloud. 645, 1118 (2006)
- KRAEMER, KATHLEEN E. A Post-AGB Star in the Small Magellanic Cloud Observed with the *Spitzer* Infrared Spectrograph. *Kathleen E. Kraemer,*

- G. C. Sloan, J. Bernard-Salas, Stephan D. Price, Michael P. Egan, and P. R. Wood. 652, L25 (2006)
- KRAEMER, S. B. Simultaneous Ultraviolet and X-Ray Observations of the Seyfert Galaxy NGC 4151. II. Physical Conditions in the UV Absorbers. *S. B. Kraemer, D. M. Crenshaw, J. R. Gabel, G. A. Kriss, H. Netzer, B. M. Peterson, I. M. George, T. R. Gull, J. B. Hutchings, R. F. Mushotzky, and T. J. Turner.* 167, 161 (2006)
- KRAFT, R. P. The Hot Gas Environment of the Radio Galaxy 3C 388: Quenching the Accumulation of Cool Gas in a Cluster Core by a Nuclear Outburst. *R. P. Kraft, J. Azcona, W. R. Forman, M. J. Hardcastle, C. Jones, and S. S. Murray.* 639, 753 (2006)
- The Complex X-Ray Morphology of NGC 7618: A Major Group-Group Merger in the Local Universe? *R. P. Kraft, C. Jones, P. E. J. Nulsen, and M. J. Hardcastle.* 640, 762 (2006)
- See EVANS, D. A., et al. *Chandra* and *XMM-Newton* Observations of a Sample of Low-Redshift FR I and FR II Radio Galaxy Nuclei. 642, 96 (2006)
- KRAFT, RALPH P. See EVANS, DANIEL A., et al. The *Chandra*, *Hubble Space Telescope*, and VLA View of the Circumnuclear Extended Emission in the Narrow Emission Line Galaxy NGC 2110. 653, 1121 (2006)
- KRALL, J. Flux Rope Model of the 2003 October 28–30 Coronal Mass Ejection and Interplanetary Coronal Mass Ejection. *J. Krall, V. B. Yurchyshyn, S. Slinker, R. M. Skoug, and J. Chen.* 642, 541 (2006)
- See CHEN, J., et al. The Flux-Rope Sealing of the Acceleration of Coronal Mass Ejections and Eruptive Prominences. 649, 452 (2006)
- Flux-Rope Coronal Mass Ejection Geometry and Its Relation to Observed Morphology. *J. Krall and O. C. St. Cyr.* 652, 1740 (2006)
- KRAMER, M. See LORIMER, D. R., et al. Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. 640, 428 (2006)
- KRAMER, MICHAEL. See BECKER, WERNER, et al. A Multiwavelength Study of the Pulsar PSR B1929+10 and Its X-Ray Trail. 645, 1421 (2006)
- See REYNOLDS, STEPHEN P., et al. Discovery of the X-Ray Counterpart to the Rotating Radio Transient J1819–1458. 639, L71 (2006)
- KRAMER, ROBAN HULTMAN. Feedback from Clustered Sources during Reionization. *Roban Hultman Kramer, Zoltán Haiman, and S. Peng Oh.* 649, 570 (2006)
- KRANICH, D. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See REBILLOT, P. F., et al. Multiwavelength Observations of the Blazar Markarian 421 in 2002 December and 2003 January. 641, 740 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
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- KRASNOKUTSKI, S. See JÄGER, C., et al. Identification and Spectral Properties of Polycyclic Aromatic Hydrocarbons in Carbonaceous Soot Produced by Laser Pyrolysis. 166, 557 (2006)
- KRASNOPOLSKY, RUBEN. See ANDERSON, JEFFREY M., et al. Magnetocentrifugal Winds in Three Dimensions: A Nonaxisymmetric Steady State. 653, L33 (2006)
- KRASSILCHIKOV, A. M. See BYKOV, A. M., et al. On the Nature of the Hard X-Ray Source IGR J2018+4043. 649, L21 (2006)
- KRAUS, ADAM L. Multiplicity and Optical Excess across the Substellar Boundary in Taurus. *Adam L. Kraus, Russel J. White, and Lynne A. Hillenbrand.* 649, 306 (2006)
- KRAUS, C. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- KRAUSS, M. I. See KILGARD, R. E., et al. Erratum: “A *Chandra* Survey of Nearby Spiral Galaxies. I. Point Source Catalogs” (ApJS, 159, 214 [2005]). 163, 424 (2006)
- KRAUSS, OLIVER. See PARASKOV, GEORGI B., et al. Eolian Erosion of Dusty Bodies in Protoplanetary Disks. 648, 1219 (2006)
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- A New Robust Low-Scatter X-Ray Mass Indicator for Clusters of Galaxies. *Andrey V. Kravtsov, Alexey Vikhlinin, and Daisuke Nagai.* 650, 128 (2006)
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- KRČO, MARKO. See STANIMIROVIĆ, SNEŽANA, et al. First Results from the Arecibo Galactic H I Survey: The Disk/Halo Interface Region in the Outer Galaxy. 653, 1210 (2006)
- KREGENOW, J. Far-Ultraviolet Observations of a Thermal Interface in the Orion-Eridanus Superbubble. *J. Kregenow, J. Edelstein, E. J. Korpela, B. Y. Welsh, C. Heiles, K. Ryu, K.-W. Min, Y. Lim, I.-S. Yuk, H. Jin, and K.-I. Seon.* 644, L167 (2006)
- KREGENOW, JULIA. See KORPELA, ERIC J., et al. Far-Ultraviolet Observations of the North Ecliptic Pole with SPEAR. 644, L163 (2006)
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- KREMS, R. V. The D – 3P Transitions in Atomic Oxygen Induced by Impact with Atomic Hydrogen. *R. V. Krems, M. J. Jamieson, and A. Dalgarno.* 647, 1531 (2006)
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- See RUDNICK, GREGORY, et al. Measuring the Average Evolution of Luminous Galaxies at $z < 3$: The Rest-Frame Optical Luminosity Density, Spectral Energy Distribution, and Stellar Mass Density. 650, 624 (2006)
- Spectroscopic Identification of Massive Galaxies at $z \sim 2.3$ with Strongly Suppressed Star Formation. *Mariska Kriek, Pieter G. van Dokkum, Marijn Franx, Ryan Quadri, Eric Gawiser, David Herrera, Garth D. Illingworth, Ivo Labbé, Paulina Lira, Danilo Marchesini, Hans-Walter Rix, Gregory Rudnick, Edward N. Taylor, Sune Toft, C. Megan Urry, and Stijn Wuyts.* 649, L71 (2006)
- KRIMIGIS, S. M. See DESAI, M. I., et al. Heavy-Ion Elemental Abundances in Large Solar Energetic Particle Events and Their Implications for the Seed Population. 649, 470 (2006)
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- GRB 050717: A Long, Short-Lag, High-Peak Energy Burst Observed by *Swift* and *Konus*. *H. A. Krimm, C. Hurkett, V. Pal'shin, J. P. Norris, B. Zhang, S. D. Barthelmy, D. N. Burrows, N. Gehrels, S. Golenetskii, J. P. Osborne, A. M. Parsons, M. Perri, and R. Willingale.* 648, 1117 (2006)
- See SAKAMOTO, T., et al. Confirmation of the $E_{\text{peak}}-E_{\text{iso}}$ (Amati) Relation from the X-Ray Flash XRF 050416A Observed by the *Swift* Burst Alert Telescope. 636, L73 (2006)
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- See MEL, S., et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Blue Early-Type Galaxies and Red Pairs in RDCS J0910+5422. 639, 81 (2006)
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- KUAN, YI-JEHNG. See HIRANO, NAOMI, et al. SiO $J = 5-4$ in the HH 211 Protostellar Jet Imaged with the Submillimeter Array. 636, L141 (2006)

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- See KIM, SUNGSOO S., et al. The Arches Cluster Mass Function. 653, L113 (2006)
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- See PIETRZYŃSKI, GRZEGORZ, et al. The Araucaria Project: The Distance to the Local Group Galaxy IC 1613 from Near-Infrared Photometry of Cepheid Variables. 642, 216 (2006)
- See GIEREN, WOLFGANG, et al. The Araucaria Project: An Accurate Distance to the Local Group Galaxy NGC 6822 from Near-Infrared Photometry of Cepheid Variables. 647, 1056 (2006)
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- KULESA, CRAIG A. See NARAYANAN, DESIKA, et al. Erratum: "Warm, Dense Molecular Gas in the ISM of Starbursts, LIRGs, and ULIRGs" (ApJ, 630, 269 [2005]). 642, 616 (2006)
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- The Nature of the Deep Lens Survey Fast Transients. *S. R. Kulkarni and A. Rau*. 644, L63 (2006)
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- See SAJO, H., et al. *MOST* Detects g - and p -Modes in the B Supergiant HD 163899 (B2 Ib/II). 650, 1111 (2006)
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- A Structured Leptonic Jet Model of the “Orphan” TeV Gamma-Ray Flares in TeV Blazars. *Masaaki Kusunose and Fumio Takahara*. 651, 113 (2006)
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- KUZIO DE NARAY, RACHEL. High-Resolution Optical Velocity Fields of 11 Low Surface Brightness Galaxies. *Rachel Kuzio de Naray, Stacy S. McGaugh, W. J. G. de Blok, and A. Bosma*. 165, 461 (2006)
- KUZNETSOVA, N. See CONLEY, A., et al. Measurement of Ω_m , Ω_Λ from a Blind Analysis of Type Ia Supernovae with CMAGIC: Using Color Information to Verify the Acceleration of the Universe. 644, 1 (2006)
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- See CHIU, PO-JIAN, et al. A Slowly Expanding Disk and Fast Bipolar Outflow from the S Star π^1 Gruis. 645, 605 (2006)
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- See VOLK, KEVIN, et al. An Infrared Imaging Study of the Bipolar Proto-Planetary Nebula IRAS 16594–4656. 651, 294 (2006)
- See CHANG, HUAN-CHENG, et al. Nanodiamond as a Possible Carrier of Extended Red Emission. 639, L63 (2006)
- KWON, WOJIN. Two Bipolar Outflows and Magnetic Fields in the Multiple Protostar System L1448 IRS 3. *Wojin Kwon, Leslie W. Looney, Richard M. Crutcher, and Jason M. Kirk*. 653, 1358 (2006)
- KYBA, C. C. M. See AHARIMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- See RUDNICK, GREGORY, et al. Measuring the Average Evolution of Luminous Galaxies at $z < 3$: The Rest-Frame Optical Luminosity Density, Spectral Energy Distribution, and Stellar Mass Density. 650, 624 (2006)
- See WEBB, TRACY M. A., et al. Star Formation in Distant Red Galaxies: *Spitzer* IRAC Confirmation of z_{500} -Dropout Galaxies in the Hubble Ultra Deep Field: Stellar Masses and Ages at $z \approx 7$. *Ivo Labbé, Rychard Bouwens, G. D. Illingworth, and M. Franx*. 649, L67 (2006)
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- LABRIE, KATHLEEN. Near-Infrared [Fe II] Emission in Starburst Galaxies. I. Measured Properties. *Kathleen Labrie and Chris J. Pritchett*. 166, 188 (2006)
- LACASSE, M. G. See MONNIER, J. D., et al. Few Skewed Disks Found in First Closure-Phase Survey of Herbig Ae/Be Stars. 647, 444 (2006)
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- Stellar Multiplicity and the Initial Mass Function: Most Stars Are Single. *Charles J. Lada*. 640, L63 (2006)
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- LAHUIS, FRED. See KESSLER-SILACCI, JACQUELINE, et al. c2d *Spitzer* IRS Spectra of Disks around T Tauri Stars. I. Silicate Emission and Grain Growth. 639, 275 (2006)
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- LAMBERT, D. L. See WELTY, D. E., et al. VLT UVES Observations of Interstellar Molecules and Diffuse Bands in the Magellanic Clouds. 165, 138 (2006)
- See MENDEL, J. T., et al. Testing Rotational Mixing Predictions with New Boron Abundances in Main-Sequence B-Type Stars. 640, 1039 (2006)
- See RYDE, N., et al. Water Vapor on Supergiants: The 12 μ m TEXES Spectra of μ Cephei. 645, 652 (2006)
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- LAMING, J. MARTIN. The Polar Regions of Cassiopeia A: The Aftermath of a Gamma-Ray Burst? *J. Martin Laming, Una Hwang, Balint Radics, Gergely Lekli, and Endre Takács.* 644, 260 (2006)
- LAMPEITL, HUBERT. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- LANDAU, SUSANA J. Primordial Nucleosynthesis with Varying Fundamental Constants: A Semianalytical Approach. *Susana J. Landau, Mercedes E. Mosquera, and Hector Vucetich.* 637, 38 (2006)
- LANDI, E. CHIANTI—An Atomic Database for Emission Lines. VII. New Data for X-Rays and Other Improvements. *E. Landi, G. Del Zanna, P. R. Young, K. P. Dere, H. E. Mason, and M. Landini.* 162, 261 (2006)
- CHIANTI—An Atomic Database for Emission Lines. VIII. Comparison with Solar Flare Spectra from the *Solar Maximum Mission* Flat Crystal Spectrometer. *E. Landi and K. J. H. Phillips.* 166, 421 (2006)
- Atomic Data for High-Energy Configurations in Fe XVII–XXIII. *E. Landi and M. F. Gu.* 640, 1171 (2006)
- Plasma Diagnostics of the Large-Scale Corona with SUMER. I. Measurements at the West Limb. *E. Landi, U. Feldman, and G. A. Doschek.* 643, 1258 (2006)
- See KUCERA, T. A., et al. Ultraviolet Observations of Prominence Activation and Cool Loop Dynamics. 645, 1525 (2006)
- LANDI, R. *Swift* XRT Follow-up Observations of TeV Sources of the HESS Inner Galaxy Survey. *R. Landi, L. Bassani, A. Malizia, N. Masetti, J. B. Stephen, A. Bazzano, P. Ubertini, A. J. Bird, and A. J. Dean.* 651, 190 (2006)
- LANDI DEGL'INNOCENTI, E. See SOCAS-NAVARRO, H., et al. Erratum: "Polynomial Approximants for the Calculation of Polarization Profiles in the He I 10830 Å Multiplet" (ApJS, 160, 312 [2005]). 166, 441 (2006)
- See MERENDA, L., et al. Determination of the Magnetic Field Vector via the Hanle and Zeeman Effects in the He I λ 10830 Multiplet: Evidence for Nearly Vertical Magnetic Fields in a Polar Crown Prominence. 642, 554 (2006)
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- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
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- On the Collapsar Model of Long Gamma-Ray Bursts: Constraints from Cosmic Metallicity Evolution. *N. Langer and C. A. Norman.* 638, L63 (2006)
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- LANGNER, U. W. Effects of Different Solar Wind Speed Profiles in the Heliosheath on the Modulation of Cosmic-Ray Protons. *U. W. Langner, M. S. Potgieter, H. Fichtner, and T. Bormann*. 640, 1119 (2006)
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- LAOR, A. See MILLER, B. P., et al. X-Ray Absorption and an X-Ray Jet in the Radio-loud Broad Absorption-line Quasar PG 1004+130. 652, 163 (2006)
- LAOR, ARI. Is the Broad-Line Region Clumped or Smooth? Constraints from the H α Profile in NGC 4395, the Least Luminous Seyfert 1 Galaxy. *Ari Laor, Aaron J. Barth, Luis C. Ho, and Alexei V. Filippenko*. 636, 83 (2006)
- See PETERSON, BRADLEY M., et al. Erratum: "Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. I. A Reverberation-based Measurement of the Black Hole Mass" (ApJ, 632, 799 [2005]). 641, 638 (2006)
- Evidence for Line Broadening by Electron Scattering in the Broad-Line Region of NGC 4395. *Ari Laor*. 643, 112 (2006)
- See O'NEILL, PAUL M., et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. II. X-Ray and Ultraviolet Continuum Variability. 645, 160 (2006)
- See DESROCHES, LOUIS-BENOÎT, et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. III. Optical Variability and X-Ray/UV/Optical Correlations. 650, 88 (2006)
- LA PAROLA, V. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
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- Quasar Luminosity Functions from Joint Evolution of Black Holes and Host Galaxies. *A. Lapi, F. Shankar, J. Mao, G. L. Granato, L. Silva, G. De Zotti, and L. Danese*. 650, 42 (2006)
- See TONINI, C., et al. Measuring the Spin of Spiral Galaxies. 638, L13 (2006)
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- LARIO, D. Radial and Longitudinal Dependence of Solar 4–13 MeV and 27–37 MeV Proton Peak Intensities and Fluences: *Helios* and *IMP 8* Observations. *D. Lario, M.-B. Kallenrode, R. B. Decker, E. C. Roelof, S. M. Krimigis, A. Aran, and B. Sanahuja*. 653, 1531 (2006)
- LARKIN, J. E. See KRABBE, A., et al. Diffraction-limited Imaging Spectroscopy of the Sagittarius A* Region Using OSIRIS, a New Keck Instrument. 642, L145 (2006)
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- X-Ray and Sunyaev-Zel'dovich Effect Measurements of the Gas Mass Fraction in Galaxy Clusters. *Samuel J. LaRoque, Massimiliano Bonamente, John E. Carlstrom, Marshall K. Joy, Daisuke Nagai, Erik D. Reese, and Kyle S. Dawson*. 652, 917 (2006)
- LARSEN, R. M. See HANASOGE, S. M., et al. Computational Acoustics in Spherical Geometry: Steps toward Validating Helioseismology. 648, 1268 (2006)
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- LATHAM, D. W. See BAKOS, G. Á., et al. Refined Parameters of the Planet Orbiting HD 189733. 650, 1160 (2006)
- LATHAM, DAVID W. See CHARBONNEAU, DAVID, et al. Transit Photometry of the Core-dominated Planet HD 149026b. 636, 445 (2006)
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- LATTANZI, M. G. See DE FELICE, F., et al. A General Relativistic Model of Light Propagation in the Gravitational Field of the Solar System: The Dynamical Case. 653, 1552 (2006)
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- LATTER, W. B. See GORDON, K. D., et al. *Spitzer* MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure. 638, L87 (2006)
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- LAUGHLIN, G. See SHANKLAND, P. D., et al. On the Search for Transits of the Planets Orbiting Gliese 876. 653, 700 (2006)

- LAUGHLIN, GREGORY. See FISCHER, DEBRA A., et al. The N2K Consortium. III. Short-Period Planets Orbiting HD 149143 and HD 109749. 637, 1094 (2006)
- See ROBINSON, SARAH E., et al. The N2K Consortium. V. Identifying Very Metal-rich Stars with Low-Resolution Spectra: Finding Planet-Search Targets. 637, 1102 (2006)
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- LAVÍN, C. Spectral Properties of Hydrogen Fluoride in the Discrete and Continuum Regions (Rydberg Series in Hydrogen Fluoride). C. Lavín, I. Martín, and A. M. Velasco. 644, 1334 (2006)
- LAVOIE, R. See JACKSON, J. M., et al. The Boston University–Five College Radio Astronomy Observatory Galactic Ring Survey. 163, 145 (2006)
- LAW, CASEY. See MUNO, MICHAEL P., et al. Diffuse, Nonthermal X-Ray Emission from the Galactic Star Cluster Westerlund 1. 650, 203 (2006)
- See MUNO, MICHAEL P., et al. A Neutron Star with a Massive Progenitor in Westerlund 1. 636, L41 (2006)
- LAW, DAVID R. See MAJEWSKI, STEVEN R., et al. Measuring Fundamental Galactic Parameters with Stellar Tidal Streams and *SIM PlanetQuest*. 637, L25 (2006)
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- LAWLER, J. E. Improved Laboratory Transition Probabilities for Sm II and Application to the Samarium Abundances of the Sun and Three *r*-Process-rich, Metal-poor Stars. J. E. Lawler, E. A. Den Hartog, C. Sneden, and J. J. Cowan. 162, 227 (2006)
- See DEN HARTOG, E. A., et al. Improved Laboratory Transition Probabilities for Gd II and Application to the Gadolinium Abundances of the Sun and Three *r*-Process Rich, Metal-poor Stars. 167, 292 (2006)
- LAWLER, JAMES E. See IVANS, INESE I., et al. Near-Ultraviolet Observations of HD 221170: New Insights into the Nature of *r*-Process-rich Stars. 645, 613 (2006)
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- LAWLER, S. M. See BRYDEN, G., et al. Frequency of Debris Disks around Solar-Type Stars: First Results from a *Spitzer* MIPS Survey. 636, 1098 (2006)
- See BEICHMAN, C. A., et al. New Debris Disks around Nearby Main-Sequence Stars: Impact on the Direct Detection of Planets. 652, 1674 (2006)
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- See HENG, KEVIN, et al. Evolution of the Reverse Shock Emission from SNR 1987A. 644, 959 (2006)
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- LAWSON, WARRICK A. See FEIGELSON, ERIC D., et al. Erratum: "The ϵ Chamaeleontis Young Stellar Group and the Characterization of Sparse Stellar Clusters" (ApJ, 599, 1207 [2003]). 649, 1184 (2006)
- LAWTON, BRANDON. See YORK, BRIAN A., et al. Detection of Diffuse Interstellar Bands in the $z = 0.5$ Damped Ly α System toward AO 0235+164. 647, L29 (2006)
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- The Kinematic and Plasma Properties of X-Ray Knots in Cassiopeia A from the *Chandra* HETGS. J. S. Lazendic, D. Dewey, N. S. Schulz, and C. R. Canizares. 651, 250 (2006)
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- II. The Young, Highly Relativistic Binary Pulsar J1906+0746. 640, 428 (2006)
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- Cygnus A: A Long-Wavelength Resolution of the Hot Spots. *T. Joseph W. Lazio, Aaron S. Cohen, Namir E. Kassim, R. A. Perley, W. C. Erickson, C. L. Carilli, and P. C. Crane.* 642, L33 (2006)
- LAZZARIN, M. Space Weathering in the Main Asteroid Belt: The Big Picture. *M. Lazzarin, S. Marchi, L. V. Moroz, R. Brunetto, S. Magrin, P. Paolicchi, and G. Strazzulla.* 647, L179 (2006)
- LAZZATI, D. See FALCONE, A. D., et al. The Giant X-Ray Flare of GRB 050502B: Evidence for Late-Time Internal Engine Activity. 641, 1010 (2006)
- LAZZATI, DAVIDE. Thick Fireballs and the Steep Decay in the Early X-Ray Afterglow of Gamma-Ray Bursts. *Daide Lazzati and Mitchell C. Begelman.* 641, 972 (2006)
- LE, TRUONG. See BECKER, PETER A., et al. Time-dependent Stochastic Particle Acceleration in Astrophysical Plasmas: Exact Solutions Including Momentum-dependent Escape. 647, 539 (2006)
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- LE BORGNE, DAMIEN. Gemini Deep Deep Survey. VI. Massive H α -strong Galaxies at $z \approx 1$. *Damien Le Borgne, Roberto Abraham, Kathryn Daniel, Patrick J. McCarthy, Karl Glazebrook, Sandra Savaglio, David Crampton, Stéphanie Juneau, Ray G. Carlberg, Hsiao-Wen Chen, Ronald O. Marzke, Kathy Roth, Inger Jørgensen, and Richard Murowinski.* 642, 48 (2006)
- LE BOURLOT, J. See FUENTE, A., et al. Detection of CO⁺ in the Nucleus of M82. 641, L105 (2006)
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- LEBRUN, F. See BIRD, A. J., et al. The Second IBIS/ISGRI Soft Gamma-Ray Survey Catalog. 636, 765 (2006)
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- LEBZELTER, TH. Tracing the Development of Dust around Evolved Stars: The Case of 47 Tuc. *Th. Lebzelter, Th. Posch, K. Hinkle, P. R. Wood, and J. Bouwman.* 653, L145 (2006)
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- Molecular Hydrogen in a Damped Ly α System at $z_{\text{abs}} = 4.224$. *C. Ledoux, P. Petitjean, and R. Srianand.* 640, L25 (2006)
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- LEE, BRIAN L. See FOLATELLI, GASTÓN, et al. SN 2005bf: A Possible Transition Event between Type Ib/c Supernovae and Gamma-Ray Bursts. 641, 1039 (2006)
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- See BOURKE, TYLER L., et al. The *Spitzer* c2d Survey of Nearby Dense Cores. II. Discovery of a Low-Luminosity Object in the "Evolved Starless Core" L1521F. 649, L37 (2006)
- LEE, CHIN-FEI. Infall and Outflow around the HH 212 Protostellar System. *Chin-Fei Lee, Paul T. P. Ho, Henrik Beuther, Tyler L. Bourke, Qizhou Zhang, Naomi Hirano, and Hsien Shang.* 639, 292 (2006)
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- See RYU, K., et al. Molecular Hydrogen Fluorescence in the Eridanus Superbubble. 644, L185 (2006)
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- LEE, HEE-WON. Raman-scattered He II $\lambda\lambda 4850, 6545$ in the Young and Compact Planetary Nebula IC 5117. *Hee-Won Lee, Yang-Chan Jung, In-Ok Song, and Sang-Hyeon Ahn.* 636, 1045 (2006)
- LEE, HENRY. The Spatial Homogeneity of Nebular and Stellar Oxygen Abundances in the Local Group Dwarf Irregular Galaxy NGC 6822. *Henry Lee, Evan D. Skillman, and Kim A. Venn.* 642, 813 (2006)
- See JACKSON, DALE C., et al. Hot Dust and Polycyclic Aromatic Hydrocarbon Emission at Low Metallicity: A *Spitzer* Survey of Local Group and Other Nearby Dwarf Galaxies. 646, 192 (2006)
- On Extending the Mass-Metallicity Relation of Galaxies by 2.5 Decades in Stellar Mass. *Henry Lee, Evan D. Skillman, John M. Cannon, Dale C. Jackson, Robert D. Gehrz, Elisha F. Polomski, and Charles E. Woodward.* 647, 970 (2006)
- LEE, HO. See JEON, YOUNG-BEOM, et al. Discovery of an SX Phoenixis Type Pulsating Component in the Algol-Type Semidetached Eclipsing Binary QU Sagittae in M71. 636, L129 (2006)
- LEE, J. C. See MEURER, GERHARDT R., et al. The Survey for Ionization in Neutral Gas Galaxies. I. Description and Initial Results. 165, 307 (2006)
- LEE, J.-Y. Three-dimensional Structure of the 2002 April 21 Coronal Mass Ejection. *J.-Y. Lee, J. C. Raymond, Y.-K. Ko, and K.-S. Kim.* 651, 566 (2006)
- LEE, JAE-JOON. See STANIMIROVIĆ, SNEŽANA, et al. First Results from the Arecibo Galactic H I Survey: The Disk/Halo Interface Region in the Outer Galaxy. 653, 1210 (2006)
- LEE, JAE-woo. See JEON, YOUNG-BEOM, et al. Discovery of an SX Phoenixis Type Pulsating Component in the Algol-Type Semidetached Eclipsing Binary QU Sagittae in M71. 636, L129 (2006)
- LEE, JAE-woo. A Chemical Abundance Study of One Red Giant Star in NGC 5694: A Globular Cluster with a Dwarf Spheroidal Chemical Signature? *Jae-woo Lee, Mercedes López-Morales, and Bruce W. Carney.* 646, L119 (2006)
- LEE, JEONG-EUN. The *Spitzer* c2d Survey of Nearby Dense Cores. III. Low-Mass Star Formation in a Small Group. L1251B. *Jeong-Eun Lee, James Di Francesco, Shih-Ping Lai, Tyler L. Bourke, Neal J. Evans II, Bill Spiesman, Philip C. Myers, Lori E. Allen, Timothy Y. Brooke, Alicia Porras, and Zahed Wahhaj.* 648, 491 (2006)
- LEE, JEONGWOO. See BONG, SU-CHAN, et al. Spatio-spectral Maximum Entropy Method. I. Formulation and Test. 636, 1159 (2006)
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- Magnetic Energy Release during the 2002 September 9 Solar Flare. *Jeongwoo Lee, Dale E. Gary, and G. S. Choe.* 647, 638 (2006)
- LEE, JOON HYEOP. The Nature of Blue Early-Type Galaxies in the GOODS Fields. *Joon Hyeop Lee, Myung Gyoon Lee, and Ho Seong Hwang.* 650, 148 (2006)
- LEE, JOUNGHUN. Reconstructing the Triaxial Shapes of Dark Matter Halos from the Anisotropic Spatial Distributions of their Substructures in the Concordance Cosmology. *Jounghun Lee and Xi Kang.* 637, 561 (2006)
- The Axis-Ratio Distribution of Galaxy Clusters in the SDSS-C4 Catalog as a New Cosmological Probe. *Jounghun Lee.* 643, 724 (2006)
- Rotation of Cosmic Voids and Void Spin Statistics. *Jounghun Lee and Daeseong Park.* 652, 1 (2006)
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- LEE, L. C. See CHENG, BING-MING, et al. Absorption Cross Sections of NH_3 , NH_2D , and ND_3 in the Spectral Range 140–220 nm and Implications for Planetary Isotopic Fractionation. 647, 1535 (2006)
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- LEE, MAN HOI. On the 2 : 1 Orbital Resonance in the HD 82943 Planetary System. *Man Hoi Lee, R. Paul Butler, Debra A. Fischer, Geoffrey W. Marcy, and Steven S. Vogt.* 641, 1178 (2006)
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- Lefebvre, L. Bertello, R. K. Ulrich, J. E. Boyden, and J. P. Rozelot. 649, 444 (2006)
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- LEHNER, N. Low-Redshift Intergalactic Absorption Lines in the Spectrum of HE 0226-4110. N. Lehner, B. D. Savage, B. P. Wakker, K. R. Sembach, and T. M. Tripp. 164, 1 (2006)
- LEHNER, NICOLAS. See SAVAGE, BLAIR D., et al. Properties of O VI Absorption in the Local Interstellar Medium. 162, 134 (2006)
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- See NESVADBA, N. P. H., et al. Extreme Gas Kinematics in the $z = 2.2$ Powerful Radio Galaxy MRC 1138-262: Evidence for Efficient Active Galactic Nucleus Feedback in the Early Universe? 650, 693 (2006)
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- LEVAN, A. See WATSON, D., et al. The Soft X-Ray Blast in the Apparently Subluminous GRB 031203. 636, 967 (2006)
- See VAUGHAN, S., et al. *Swift* Observations of the X-Ray-Bright GRB 050315. 638, 920 (2006)
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- See WATSON, D., et al. A $\log N_{\text{H}} = 22.6$ Damped Ly α Absorber in a Dark Gamma-Ray Burst: The Environment of GRB 050401. 652, 1011 (2006)
- LEVAN, A. J. The First *Swift* X-Ray Flash: The Faint Afterglow of XRF 050215B. *A. J. Levan, J. P. Osborne, N. R. Tanvir, K. L. Page, E. Rol, B. Zhang, M. R. Goad, P. T. O'Brien, R. S. Priddey, D. Bersier, D. N. Burrows, R. Chapman, A. S. Fruchter, P. Giommi, N. Gehrels, M. A. Hughes, S. Pak, C. Simpson, G. Tagliaferri, and E. Vardoulaki*. 648, 1132 (2006)
- See PAGE, K. L., et al. GRB 050911: A Black Hole-Neutron Star Merger or a Naked GRB. 637, L13 (2006)
- The Faint Afterglow and Host Galaxy of the Short-Hard GRB 060121. *A. J. Levan, N. R. Tanvir, A. S. Fruchter, E. Rol, J. P. U. Fynbo, J. Hjorth, G. Williams, E. Bergeron, D. Bersier, M. Bremer, T. Grav, P. Jakobsson, K. Nilsson, E. Olszewski, R. S. Priddey, D. Rafferty, and J. Rhoads*. 648, L9 (2006)
- LEVAN, ANDREW. Infrared and Optical Observations of GRB 030115 and its Extremely Red Host Galaxy: Implications for Dark Bursts. *Andrew Levan, Andrew Fruchter, James Rhoads, Bahram Mobasher, Nial Tanvir, Javier Gorosabel, Evert Rol, Chryssa Kouveliotou, Ian Dell'Antonio, Michael Merrill, Eddie Bergeron, José María Castro Cerón, Nicola Masetti, Paul Vreeswijk, Angelo Antonelli, David Bersier, Alberto Castro-Tirado, Johan Fynbo, Peter Garnavich, Stephen Holland, Jens Hjorth, Peter Nugent, Elena Pian, Alain Smette, Bjarne Thomsen, Stephen E. Thorsett, and Ralph Wijers*. 647, 471 (2006)
- LEVENSÓN, N. A. See MASON, R. E., et al. Spatially Resolved Mid-Infrared Spectroscopy of NGC 1068: The Nature and Distribution of the Nuclear Material. 640, 612 (2006)
- See TANNER, ANGELLE, et al. High Spectral Resolution Observations of the Massive Stars in the Galactic Center. 641, 891 (2006)
- Penetrating the Deep Cover of Compton-thick Active Galactic Nuclei. *N.*

- A. Levenson, T. M. Heckman, J. H. Krolik, K. A. Weaver, and P. T. Życki. 648, 111 (2006)
- LEVESQUE, EMILY M. The Effective Temperatures and Physical Properties of Magellanic Cloud Red Supergiants: The Effects of Metallicity. *Emily M. Levesque, Philip Massey, K. A. G. Olsen, Bertrand Plez, Georges Meynet, and Andre Maeder*. 645, 1102 (2006)
- See MASSEY, PHILIP, et al. Bringing VY Canis Majoris Down to Size: An Improved Determination of Its Effective Temperature. 646, 1203 (2006)
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- LEVIN, Y. See PAUMARD, T., et al. The Two Young Star Disks in the Central Parsec of the Galaxy: Properties, Dynamics, and Formation. 643, 1011 (2006)
- LEVIN, YURI. See BELOBORODOV, ANDREI M., et al. Clockwise Stellar Disk and the Dark Mass in the Galactic Center. 648, 405 (2006)
- Ejection of High-Velocity Stars from the Galactic Center by an Inspiring Intermediate-Mass Black Hole. *Yuri Levin*. 653, 1203 (2006)
- LEVINE, ALAN M. See WEN, LINQING, et al. A Systematic Search for Periodicities in *RXTE* ASM Data. 163, 372 (2006)
- See REMILLARD, RONALD A., et al. The X-Ray Outburst of H1743–322 in 2003: High-Frequency QPOs with a 3 : 2 Frequency Ratio. 637, 1002 (2006)
- LEVINE, D. A. See GORDON, K. D., et al. *Spitzer* MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure. 638, L87 (2006)
- LEVINE, E. S. The Vertical Structure of the Outer Milky Way H I Disk. *E. S. Levine, Leo Blitz, and Carl Heiles*. 643, 881 (2006)
- LEVINE, JOANNA L. Low-Mass Stars and Brown Dwarfs in NGC 2024: Constraints on the Substellar Mass Function. *Joanna L. Levine, Aaron Steinhauer, Richard J. Elston, and Elizabeth A. Lada*. 646, 1215 (2006)
- LEVINE, ROBYN. Active Galactic Nucleus Outflows and the Matter Power Spectrum. *Robyn Levine and Nikolay Y. Gnedin*. 649, L57 (2006)
- LEVINSON, AMIR. See GAL-YAM, AVISHAY, et al. Radio and Optical Follow-up Observations of a Uniform Radio Transient Search: Implications for Gamma-Ray Bursts and Supernovae. 639, 331 (2006)
- General Relativistic, Neutrino-assisted Magnetohydrodynamic Winds—Theory and Application to Gamma-Ray Bursts. I. Schwarzschild Geometry. *Amir Levinson*. 648, 510 (2006)
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- LEWIN, W. H. G. See VRTELEK, S. D., et al. Erratum: "Observations of Scorpius X-1 with *IUE*: Ultraviolet Results from a Multiwavelength Campaign" (*ApJ*, 376, 278 [1991]). 637, 1148 (2006)
- See MILLER, J. M., et al. Simultaneous *Chandra* and *RXTE* Spectroscopy of the Microquasar H1743–322: Clues to Disk Wind and Jet Formation from a Variable Ionized Outflow. 646, 394 (2006)
- See HEINKE, C. O., et al. Faint X-Ray Sources in the Globular Cluster Terzan 5. 651, 1098 (2006)
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- LEWIN, WALTER H. G. See KONG, ALBERT K. H., et al. *Chandra* and *Hubble Space Telescope* Study of the Globular Cluster NGC 288. 647, 1065 (2006)
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- LEWIS, G. F. See BREWER, B. J., et al. The Einstein Ring 0047-2808 Revisited: A Bayesian Inversion. 651, 8 (2006)
- See CHAPMAN, S. C., et al. A Kinematically Selected, Metal-poor Stellar Halo in the Outskirts of M31. 653, 255 (2006)
- LEWIS, GERAINT F. See BREWER, BRENDON J., et al. Strong Gravitational Lens Inversion: A Bayesian Approach. 637, 608 (2006)
- See GIL-MERINO, RODRIGO, et al. Seeing Star Formation Regions with Gravitational Microlensing. 643, 260 (2006)
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- LEWIS, KAREN T. Black Hole Masses of Active Galaxies with Double-peaked Balmer Emission Lines. *Karen T. Lewis and Michael Eracleous*. 642, 711 (2006)
- LEWIS, R. S. See COLE, A. L., et al. The Search for Supernova Grains in an Ice Core. 652, 1763 (2006)
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- LI, A. See MURPHY, E. J., et al. An Initial Look at the Far-Infrared–Radio Correlation within Nearby Star-forming Galaxies Using the *Spitzer Space Telescope*. 638, 157 (2006)
- See SARGENT, B., et al. Dust Processing in Disks around T Tauri Stars. 645, 395 (2006)
- See DALE, D. A., et al. Mid-Infrared Spectral Diagnostics of Nuclear and Extranuclear Regions in Nearby Galaxies. 646, 161 (2006)
- LI, AIGEN. See CANNON, JOHN M., et al. Warm Dust and Spatially Variable Polycyclic Aromatic Hydrocarbon Emission in the Dwarf Starburst Galaxy NGC 1705. 647, 293 (2006)
- See BILLER, BETH A., et al. Resolving the Dusty Circumstellar Structure of the Enigmatic Symbiotic Star CH Cygni with the MMT Adaptive Optics System. 647, 464 (2006)
- See BENDO, GEORGE J., et al. The Spectral Energy Distribution of Dust Emission in the Edge-on Spiral Galaxy NGC 4631 as Seen with *Spitzer* and the James Clerk Maxwell Telescope. 652, 283 (2006)
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- LI, G. Q. See CHEN, Y., et al. Force Balance Analysis of a Coronal Magnetic Flux Rope in Equilibrium or Eruption. 649, 1093 (2006)
- LI, GUO-LIANG. Smoothing Algorithms and High-Order Singularities in Gravitational Lensing. *Guo-Liang Li, S. Mao, Y. P. Jing, X. Kang, and M. Bartelmann*. 652, 43 (2006)
- LI, H. Results of SPARCO 2003: Mapping Magnetic Fields in Giant Molecular Clouds. *H. Li, G. S. Griffin, M. Krejny, G. Novak, R. F. Loewenstein, M. G. Newcomb, P. G. Calisse, and D. T. Chuss*. 648, 340 (2006)
- LI, HUI. Modeling the Large-Scale Structures of Astrophysical Jets in the Magnetically Dominated Limit. *Hui Li, Giovanni Lapenta, John M. Finn, Shengtai Li, and Stirling A. Colgate*. 643, 92 (2006)
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- LI, J. P. See CHENG, J. X., et al. Diagnostics of the Heating Processes in Solar Flares Using Chromospheric Spectral Lines. 653, 733 (2006)
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- LI, KE. See DENISENKO, PAVEL A., et al. From Canonical to Enhanced Extra Mixing in Low-Mass Red Giants: Tidally Locked Binaries. 641, 1087 (2006)
- LI, L. H. Two-dimensional Stellar Evolution Code Including Arbitrary Magnetic Fields. I. Mathematical Techniques and Test Cases. *L. H. Li, P. Ventura, S. Basu, S. Sofia, and P. Demarque*. 164, 215 (2006)
- LI, LINGHUAL. See STRAKA, CHRISTIAN W., et al. Space- and Ground-based Pulsation Data of η Bootis Explained with Stellar Models Including Turbulence. 636, 1078 (2006)
- LI, LI-XIN. See MCCLINTOCK, JEFFREY E., et al. The Spin of the Near-Extreme Kerr Black Hole GRS 1915+105. 652, 518 (2006)
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- LI, PAK SHING. See HAYES, JOHN C., et al. Simulating Radiating and Magnetized Flows in Multiple Dimensions with ZEUS-MP. 165, 188 (2006)
- The Heavy-Ion Approximation for Ambipolar Diffusion Calculations for Weakly Ionized Plasmas. *Pak Shing Li, Christopher F. McKee, and Richard I. Klein*. 653, 1280 (2006)
- LI, SHENGTAI. See LI, HUI, et al. Modeling the Large-Scale Structures of Astrophysical Jets in the Magnetically Dominated Limit. 643, 92 (2006)
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- LI, T. P. See DING, G. Q., et al. Evolution of Hard X-Ray Spectra along the Orbital Phase in Circinus X-1. 645, 576 (2006)
- See ZHANG, FAN, et al. Timing Features of the Accretion-driven Millisecond X-Ray Pulsar XTE J1807–294 in the 2003 March Outburst. 646, 1116 (2006)
- LI, W. See SOKOLOSKI, J. L., et al. A "Combination Nova" Outburst in Z Andromedae: Nuclear Shell Burning Triggered by a Disk Instability. 636, 1002 (2006)
- See BLOOM, J. S., et al. Closing in on a Short-Hard Burst Progenitor: Constraints from Early-Time Optical Imaging and Spectroscopy of a Possible Host Galaxy of GRB 050509b. 638, 354 (2006)

- See FOLEY, R. J., et al. GRB 050408: A Bright Gamma-Ray Burst Probing an Atypical Galactic Environment. 645, 450 (2006)
- See BUTLER, N. R., et al. When Do Internal Shocks End and External Shocks Begin? Early-Time Broadband Modeling of GRB 051111. 652, 1390 (2006)
- LI, WEIDONG. See GAL-YAM, AVISHAY, et al. Radio and Optical Follow-up Observations of a Uniform Radio Transient Search: Implications for Gamma-Ray Bursts and Supernovae. 639, 331 (2006)
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- Identification of the Red Supergiant Progenitor of Supernova 2005cs: Do the Progenitors of Type II-P Supernovae Have Low Mass? *Weidong Li, Schuyler D. Van Dyk, Alexei V. Filippenko, Jean-Charles Cuillandre, Saurabh Jha, Joshua S. Bloom, Adam G. Riess, and Mario Livio*. 641, 1060 (2006)
- See CLOCCHIATTI, ALEJANDRO, et al. *Hubble Space Telescope* and Ground-based Observations of Type Ia Supernovae at Redshift 0.5: Cosmological Implications. 642, 1 (2006)
- See DESROCHES, LOUIS-BENOÎT, et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. III. Optical Variability and X-Ray/UV/Optical Correlations. 650, 88 (2006)
- See QUINN, JASON L., et al. A Light Echo from Type Ia SN 1995E? 652, 512 (2006)
- LI, XIANG-DONG. See CHEN, WEN-CONG, et al. Orbital Evolution of Algol Binaries with a Circumbinary Disk. 649, 973 (2006)
- See DAI, HAI-LANG, et al. Exploration of the $P_{\text{rot}}-P_{\text{rot}}$ Relation for Wind-fed X-Ray Pulsars. 653, 1410 (2006)
- On the Nature of Part-Time Radio Pulsars. *Xiang-Dong Li*. 646, L139 (2006)
- LI, Y. P. The Oscillatory Shrinkage in TRACE 195 Å Loops during a Flare Impulsive Phase. *Y. P. Li and W. Q. Gan*. 644, L97 (2006)
- On the Peak Times of Thermal and Nonthermal Emissions in Solar Flares. *Y. P. Li and W. Q. Gan*. 652, L61 (2006)
- LI, YAN. Coronal Magnetic Field Topology over Filament Channels: Implication for Coronal Mass Ejection Initiations. *Yan Li and Janet Luhmann*. 648, 732 (2006)
- LI, YOUNG. See JI, HAISHENG, et al. Converging Motion of H α Conjugate Kernels: The Signature of Fast Relaxation of a Sheared Magnetic Field. 636, L173 (2006)
- LI, YUEXING. Star Formation in Isolated Disk Galaxies. II. Schmidt Laws and Efficiency of Gravitational Collapse. *Yuexing Li, Mordecai-Mark Mac Low, and Ralf S. Klessen*. 639, 879 (2006)
- See HOPKINS, PHILIP F., et al. The Relation between Quasar and Merging Galaxy Luminosity Functions and the Merger-driven Star Formation History of the Universe. 652, 864 (2006)
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- Cluster Formation in Protostellar Outflow-driven Turbulence. *Zhi-Yun Li and Fumitaka Nakamura*. 640, L187 (2006)
- See ANDERSON, JEFFREY M., et al. Magnetocentrifugal Winds in Three Dimensions: A Nonaxisymmetric Steady State. 653, L33 (2006)
- LI, ZHUHENG. See YAN, YIHUA, et al. Direct Boundary Integral Formulation for Solar Non-constant- α Force-free Magnetic Fields. 638, 1162 (2006)
- LI, ZHUO. The Upstream Magnetic Field of Collisionless GRB Shocks. *Zhuo Li and Eli Waxman*. 651, 328 (2006)
- See WANG, XIANG-YU, et al. GeV-TeV and X-Ray Flares from Gamma-Ray Bursts. 641, L89 (2006)
- LI, ZONGWEI. See WANG, XIAOFENG, et al. Determination of the Hubble Constant, the Intrinsic Scatter of Luminosities of Type Ia Supernovae, and Evidence for Nonstandard Dust in Other Galaxies. 645, 488 (2006)
- LIANG, E. W. Testing the Curvature Effect and Internal Origin of Gamma-Ray Burst Prompt Emissions and X-Ray Flares with Swift Data. *E. W. Liang, B. Zhang, P. T. O'Brien, R. Willingale, L. Angelini, D. N. Burrows, S. Campana, G. Chincarini, A. Falcone, N. Gehrels, M. R. Goad, D. Grupe, S. Kobayashi, P. Mészáros, J. A. Nousek, J. P. Osborne, K. L. Page, and G. Tagliaferri*. 646, 351 (2006)
- LIANG, EDISON. See KOCEVSKI, DAN, et al. Quantifying the Luminosity Evolution in Gamma-Ray Bursts. 642, 371 (2006)
- LIANG, ENWEI. See ROMING, PETER W. A., et al. Very Early Optical Afterglows of Gamma-Ray Bursts: Evidence for Relative Paucity of Detection. 652, 1416 (2006)
- Identification of Two Categories of Optically Bright Gamma-Ray Bursts. *Enwei Liang and Bing Zhang*. 638, L67 (2006)
- LIANG, EN-WEI. Temporal Profiles and Spectral Lags of XRF 060218. *Enwei Liang, Bin-Bin Zhang, Mike Stamatikos, Bing Zhang, Jay Norris, Neil Gehrels, Jin Zhang, and Z. G. Dai*. 653, L81 (2006)
- LIANG, MAO-CHANG. See CHENG, BING-MING, et al. Absorption Cross Sections of NH $_3$, NH $_2$ D, NHD, and ND $_3$ in the Spectral Range 140–220 nm and Implications for Planetary Isotopic Fractionation. 647, 1535 (2006)
- LIANG, Y. C. The Oxygen Abundance Calibrations and N/O Abundance Ratios of $\sim 40,000$ SDSS Star-forming Galaxies. *Y. C. Liang, S. Y. Yin, F. Hammer, L. C. Deng, H. Flores, and B. Zhang*. 652, 257 (2006)
- LIANOU, S. See GOULIERMIS, D. A., et al. *HST* WFPC2 Observations of the Peculiar Main Sequence of the Double Star Cluster NGC 2011 in the Large Magellanic Cloud. 652, L93 (2006)
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- LIDZ, ADAM. Tightening Constraints from the Ly α Forest with the Flux Probability Distribution Function. *Adam Lidz, Katrin Heitmann, Lam Hui, Salman Habib, Michael Rauch, and Wallace L. W. Sargent*. 638, 27 (2006)
- The Luminosity Dependence of Quasar Clustering. *Adam Lidz, Philip F. Hopkins, Thomas J. Cox, Lars Hernquist, and Brant Robertson*. 641, 41 (2006)
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- See EISENSTEIN, DANIEL J., et al. A Catalog of Spectroscopically Confirmed White Dwarfs from the Sloan Digital Sky Survey Data Release 4. 167, 40 (2006)
- See PATTEN, BRIAN M., et al. *Spitzer* IRAC Photometry of M, L, and T Dwarfs. 651, 502 (2006)
- See DUFOUR, P., et al. Model Atmosphere Analysis of the Weakly Magnetic DZ White Dwarf G165-7. 651, 1112 (2006)
- See WILLIAMS, KURTIS A., et al. A Hot DQ White Dwarf in the Open Star Cluster M35. 643, L127 (2006)
- LIEBIG, P. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
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- LIE-SVENDSEN, ØYSTEIN. The Impact of Solar Eruptions on the Upper Chromosphere, Transition Region, and Corona. *Øystein Lie-Svendson and Egil Leer*. 643, 1286 (2006)
- LIEU, RICHARD. The Sunyaev-Zel'dovich Effect in a Sample of 31 Clusters: A Comparison between the X-Ray Predicted and WMAP Observed Cosmic Microwave Background Temperature Decrement. *Richard Lieu, Jonathan P. D. Mittaz, and Shuang-Nan Zhang*. 648, 176 (2006)
- LIEWER, PAULETT C. See OPPER, MERAV, et al. The Effects of a Local Interstellar Magnetic Field on *Voyager 1* and 2 Observations. 640, L71 (2006)
- LIFFMAN, KURT. See KROT, ALEXANDER N., et al. Aluminum-Magnesium and Oxygen Isotope Study of Relict Ca-Al-rich Inclusions in Chondrules. 639, 1227 (2006)

- LIGON, R. See MILLAN-GABET, R., et al. Keck Interferometer Observations of FU Orionis Objects. 641, 547 (2006)
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- LILLY, S. See DYE, S., et al. An Investigation of the Submillimeter Background Radiation Using SCUBA and *Spitzer*. 644, 769 (2006)
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- LILLY, S. J. See BRODWIN, M., et al. The Canada-France Deep Fields Survey. III. Photometric Redshift Distribution to $z_{AB} = 24$. 162, 20 (2006)
- See MAIER, C., et al. Oxygen Gas Abundances at $z \sim 1.4$: Implications for the Chemical Evolution History of Galaxies. 639, 858 (2006)
- See MAIER, C., et al. Erratum: "Oxygen Gas Abundances at $z \sim 1.4$: Implications for the Chemical Evolution History of Galaxies" (ApJ, 639, 858 [2006]). 643, 584 (2006)
- LIM, I. T. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- LIM, J.-T. See EDELSTEIN, J., et al. The "Spectroscopy of Plasma Evolution from Astrophysical Radiation" Mission. 644, L153 (2006)
- LIM, JEREMY. See CHIU, PO-JIAN, et al. A Slowly Expanding Disk and Fast Bipolar Outflow from the S Star π^1 Gruis. 645, 605 (2006)
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- Properties and Formation of the Multiple Protostellar System L1551 IRS 5. *Jeremy Lim and Shigehisa Takakuwa*. 653, 425 (2006)
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- LIN, DACHENG. See REMILLARD, RONALD A., et al. The Rates of Type I X-Ray Bursts from Transients Observed with *RXTE*: Evidence for Black Hole Event Horizons. 646, 407 (2006)
- LIN, DAVID J. Low Mach Number Modeling of Type I X-Ray Burst Deflagrations. *David J. Lin, Alvin Bayliss, and Ronald E. Taam*. 653, 545 (2006)
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- Stochastic Electron Acceleration during the Near-Infrared and X-Ray Flares in Sagittarius A*. *Siming Liu, Fulvio Melia, and Vahé Petrosian*. 636, 798 (2006)
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- LIU, YI. The Jet Power, Radio Loudness, and Black Hole Mass in Radio-loud Active Galactic Nuclei. *Yi Liu, Dong Rong Jiang, and Min Feng Gu*. 637, 669 (2006)
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- See PIETSCH, W., et al. M33 X-7: ChASem33 Reveals the First Eclipsing Black Hole X-Ray Binary. 646, 420 (2006)
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- Ultraviolet Observations of AM Herculis in an Extended Low State. 639, 1039 (2006)
- See GODON, PATRICK, et al. *Hubble Space Telescope* STIS Spectroscopy and Modeling of the Long-Term Cooling of WZ Sagittae following the 2001 July Outburst. 642, 1018 (2006)
- FUSE* Spectroscopy of the White Dwarf in U Geminorum. *Knox S. Long, Gabriel Brammer, and Cynthia S. Froning*. 648, 541 (2006)
- See BORKOWSKI, KAZIMIERZ J., et al. Dust Destruction in Type Ia Supernova Remnants in the Large Magellanic Cloud. 642, L141 (2006)
- See WILLIAMS, BRIAN J., et al. Dust Destruction in Fast Shocks of Core-Collapse Supernova Remnants in the Large Magellanic Cloud. 652, L33 (2006)
- LONGCOPE, D. W. See BEVERIDGE, C., et al. A Hierarchical Application of the Minimum Current Corona. 636, 453 (2006)
- See LINTON, M. G., et al. A Model for Patchy Reconnection in Three Dimensions. 642, 1177 (2006)
- LONGDEN, REBECCA. See WILSON, CHRISTINE D., et al. Two Populations of Young Massive Star Clusters in Arp 220. 641, 763 (2006)
- LONGO, F. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
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- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- LONGO, G. See SAZHIN, M., et al. Further Spectroscopic Observations of the CSL 1 Object. 636, L5 (2006)
- LONGO, GIUSEPPE. See SERENO, MAURO, et al. Measuring the Three-dimensional Structure of Galaxy Clusters. II. Are Clusters of Galaxies Oblate or Prolate? 645, 170 (2006)
- LONSDALE, C. J. See WEEDMAN, D., et al. Active Galactic Nucleus and Starburst Classification from *Spitzer* Mid-Infrared Spectra for High-Redshift SWIRE Sources. 653, 101 (2006)
- See FARRAH, D., et al. The Spatial Clustering of Ultraluminous Infrared Galaxies over $1.5 < z < 3$. 641, L17 (2006)
- See FARRAH, D., et al. Erratum: "The Spatial Clustering of Ultraluminous Infrared Galaxies over $1.5 < z < 3$ " (ApJ 641, L17 [2006]). 643, L139 (2006)
- LONSDALE, CAROL J. See POLLETTA, MARIA DEL CARMEN, et al. *Chandra* and *Spitzer* Unveil Heavily Obscured Quasars in the *Chandra*/SWIRE Survey. 642, 673 (2006)
- See LONSDALE, COLIN J., et al. VLBI Images of 49 Radio Supernovae in Arp 220. 647, 185 (2006)
- LONSDALE, COLIN J. VLBI Images of 49 Radio Supernovae in Arp 220. *Colin J. Lonsdale, Philip J. Diamond, Hannah Thrall, Harding E. Smith, and Carol J. Lonsdale*. 647, 185 (2006)
- LOON, JACCO TH. See BUCKALEW, BRENT A., et al. Understanding Radio-selected Thermal Sources in M33: Ultraviolet, Optical, Near-Infrared, *Spitzer* Mid-Infrared, and Radio Observations. 162, 329 (2006)
- LOONEY, L. W. See REMJAN, ANTHONY J., et al. A BIMA Array Survey of Molecules in Comets LINEAR (C/2002 T7) and NEAT (C/2001 Q4). 643, 567 (2006)
- See VOLGENAU, N. H., et al. Dense Cores with Multiple Protostars: The Velocity Fields of L1448 IRS 3, NGC 1333 IRAS 2, and NGC 1333 IRAS 4. 651, 301 (2006)
- LOONEY, LESLIE W. Colliding Clouds: The Star Formation Trigger of the Stellar Cluster around BD +40 4124. *Leslie W. Looney, Shiya Wang, Murad Hamidouche, Pedro N. Safer, and Randolph Klein*. 642, 330 (2006)
- See HAMIDOUCHE, MURAD, et al. Resolving and Probing the Circumstellar Disk of the Herbig Ae Star MWC 480 at $\lambda = 1.4$ mm: Evolved Dust? 651, 321 (2006)
- Radioactive Probes of the Supernova-contaminated Solar Nebula: Evidence that the Sun Was Born in a Cluster. *Leslie W. Looney, John J. Tobin, and Brian D. Fields*. 652, 1755 (2006)
- See KWON, WOOJIN, et al. Two Bipolar Outflows and Magnetic Fields in the Multiple Protostar System L1448 IRS 3. 653, 1358 (2006)
- LOPATE, C. See WATANABE, K., et al. Solar Neutron Events of 2003 October–November. 636, 1135 (2006)
- LOPES, I. P. See RANDALL, S. K., et al. Further Observations and Analysis of the Rapidly Pulsating Subdwarf B Star EC 20117-4014. 648, 637 (2006)
- LOPES, ILÍDIO. See JORGE, PEDRO, et al. Pulsating Spectrum of Subdwarf Star PG 1605+072: Comparative Time-Frequency Analysis via Wavelet Packet and Local Sine Packet Transforms of an Interrupted Light Curve. 647, 564 (2006)
- LOPES, P. A. A. X-Ray Galaxy Clusters in NoSOCS: Substructure and the Correlation of Optical and X-Ray Properties. *P. A. A. Lopes, R. R. de Carvalho, H. V. Capelato, R. R. Gal, S. G. Djorgovski, R. J. Brunner, S. C. Odewahn, and A. A. Mahabal*. 648, 209 (2006)
- LÓPEZ, ERICSON D. The Faraday Rotation Effect in Quasar Jets. *Ericson D. López*. 641, 710 (2006)
- LÓPEZ, J. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- LÓPEZ, J. A. See GARCÍA-SEGURA, G., et al. The Dynamical Evolution of Planetary Nebulae after the Fast Wind. 646, L61 (2006)
- LOPEZ, LAURA A. Determining the Nature of the SS 433 Binary from an X-Ray Spectrum during Eclipse. *Laura A. Lopez, Herman L. Marshall, Claude R. Canizares, Norbert S. Schulz, and Julie F. Kane*. 650, 338 (2006)
- LÓPEZ, M. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- LOPEZ, P. See MEDIAVILLA, E., et al. A Fast and Very Accurate Approach to the Computation of Microlensing Magnification Patterns Based on Inverse Polygon Mapping. 653, 942 (2006)
- LÓPEZ, R. See DE UGARTE POSTIGO, A., et al. GRB 060121: Implications of a Short-/Intermediate-Duration γ -Ray Burst at High Redshift. 648, L83 (2006)
- LÓPEZ, SEBASTIÁN. See GAWISER, ERIC, et al. The Multiwavelength Survey by Yale-Chile (MUSYC): Survey Design and Deep Public *UBVRiz* Images and Catalogs of the Extended Hubble Deep Field–South. 162, 1 (2006)
- LOPEZ, SEBASTIAN. See PROCHTER, GABRIEL E., et al. On the Incidence of Strong Mg II Absorbers along Gamma-Ray Burst Sight Lines. 648, L93 (2006)
- LÓPEZ FUENTES, M. C. The Magnetic Structure of Coronal Loops Observed by TRACE. *M. C. López Fuentes, J. A. Klimchuk, and P. Démoulin*. 639, 459 (2006)
- LÓPEZ-MORALES, M. See DEBES, J. H., et al. Detection of a Variable Infrared Excess around SDSS J121209.31+013627.7. 647, L147 (2006)
- LÓPEZ-MORALES, MERCEDES. See LEE, JAE-WOO, et al. A Chemical Abundance Study of One Red Giant Star in NGC 5694: A Globular Cluster with a Dwarf Spheroidal Chemical Signature? 646, L119 (2006)
- LÓPEZ-SANTIAGO, J. The Nearest Young Moving Groups. *J. López-Santiago*,

- D. Montes, I. Crespo-Chacón, and M. J. Fernández-Figueroa. 643, 1160 (2006)
- LORD, S. See SCHWEITZER, M., et al. *Spitzer* Quasar and ULIRG Evolution Study (QUEST). I. The Origin of the Far-Infrared Continuum of QSOs. 649, 79 (2006)
- See STURM, E., et al. Mid-Infrared Diagnostics of LINERs. 653, L13 (2006)
- LORENZ, D. See VUČKOVIĆ, M., et al. Whole Earth Telescope Observations of the Pulsating Subdwarf B Star PG 0014+067. 646, 1230 (2006)
- LORENZ, E. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- LORIMER, D. R. See CORDES, J. M., et al. Arecibo Pulsar Survey Using ALFA. I. Survey Strategy and First Discoveries. 637, 446 (2006)
- See CAMILO, F., et al. PSR J1833-1034: Discovery of the Central Young Pulsar in the Supernova Remnant G21.5-0.9. 637, 456 (2006)
- Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. D. R. Lorimer, I. H. Stairs, P. C. Freire, J. M. Cordes, F. Camilo, A. J. Faulkner, A. G. Lyne, D. J. Nice, S. M. Ransom, Z. Arzoumanian, R. N. Manchester, D. J. Champion, J. van Leeuwen, M. A. McLaughlin, R. Ramachandran, J. W. Hessels, W. Vlemmings, A. A. Deshpande, N. D. Bhat, S. Chatterjee, J. L. Han, B. M. Gaensler, L. Kasian, J. S. Deneva, B. Reid, T. J. Lazio, V. M. Kaspi, F. Crawford, A. N. Lommen, D. C. Backer, M. Kramer, B. W. Stappers, G. B. Hobbs, A. Possenti, N. D'Amico, and M. Burgay. 640, 428 (2006)
- LOTZ, JENNIFER. See RAVINDRANATH, SWARA, et al. The Morphological Diversities among Star-forming Galaxies at High Redshifts in the Great Observatories Origins Deep Survey. 652, 963 (2006)
- LOTZ, JENNIFER M. The Rest-Frame Far-Ultraviolet Morphologies of Star-forming Galaxies at $z \sim 1.5$ and 4. Jennifer M. Lotz, Piero Madau, Mauro Giavalisco, Joel Primack, and Henry C. Ferguson. 636, 592 (2006)
- LOUP, C. See ASSEF, R. J., et al. Removing the Microlensing Blending-Parallax Degeneracy Using Source Variability. 649, 954 (2006)
- LOVAS, F. J. See HOLLIS, J. M., et al. Cyclopropanone ($c\text{-H}_2\text{C}_3\text{O}$): A New Interstellar Ring Molecule. 642, 933 (2006)
- See SNYDER, L. E., et al. Confirmation of Interstellar Methylcyanodiacetylene ($\text{CH}_3\text{C}_3\text{N}$). 647, 412 (2006)
- Hyperfine Structure Identification of Interstellar Cyanoallene toward TMC-1. F. J. Lovas, Anthony J. Remijan, J. M. Hollis, P. R. Jewell, and L. E. Snyder. 637, L37 (2006)
- See HOLLIS, J. M., et al. Detection of Acetamide (CH_3CONH_2): The Largest Interstellar Molecule with a Peptide Bond. 643, L25 (2006)
- See APPONI, A. J., et al. Investigating the Limits of Chemical Complexity in Sagittarius B2(N): A Rigorous Attempt to Confirm 1,3-Dihydroxyacetone. 643, L29 (2006)
- See REMIJAN, ANTHONY J., et al. Methylthiacetylene ($\text{CH}_3\text{C}_2\text{H}$) toward TMC-1: The Largest Detected Symmetric Top. 643, L37 (2006)
- Detection of Ketenimine (CH_3CNH) in Sagittarius B2(N) Hot Cores. F. J. Lovas, J. M. Hollis, Anthony J. Remijan, and P. R. Jewell. 645, L137 (2006)
- LOVEDAY, JON. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- LOVEKIN, C. C. Surface Temperature and Synthetic Spectral Energy Distributions for Rotationally Deformed Stars. C. C. Lovekin, R. G. Deupree, and C. I. Short. 643, 460 (2006)
- LOVELACE, R. V. E. See USTYUGOVA, G. V., et al. "Propeller" Regime of Disk Accretion to Rapidly Rotating Stars. 646, 304 (2006)
- Jets and Disk Winds from Pulsar Magnetospheres. R. V. E. Lovelace, L. Turner, and M. M. Romanova. 652, 1494 (2006)
- See ROMANOVA, M. M., et al. The Magnetospheric Gap and the Accumulation of Giant Planets Close to a Star. 645, L73 (2006)
- LOVELL, J. E. J. See KONDRATKO, P. T., et al. Discovery of Water Maser Emission in Eight AGNs with 70 m Antennas of NASA's Deep Space Network. 638, 100 (2006)
- See SCHWARTZ, D. A., et al. *Chandra* Observations of Magnetic Fields and Relativistic Beaming in Four Quasar Jets. 640, 592 (2006)
- See KONDRATKO, P. T., et al. Erratum: "Discovery of Water Maser Emission in Eight AGNs with 70 m Antennas of NASA's Deep Space Network" (ApJ, 638, 100 [2006]). 649, 561 (2006)
- See SCHWARTZ, D. A., et al. Discovery of an X-Ray Jet and Extended Jet Structure in the Quasar PKS 1055+201. 647, L107 (2006)
- LOVELL, JAMES E. J. See OJHA, ROOPESH, et al. Scatter Broadening of Scintillating and Nonscintillating AGNs. I. A Multifrequency VLBA Survey. 166, 37 (2006)
- See BIGNALL, HAYLEY E., et al. Rapid Interstellar Scintillation of PKS 1257-326: Two-Station Pattern Time Delays and Constraints on Scattering and Microarcsecond Source Structure. 652, 1050 (2006)
- LOW, B. C. Magnetic Helicity in a Two-Flux Partitioning of an Ideal Hydromagnetic Fluid. B. C. Low. 646, 1288 (2006)
- Spontaneous Current Sheets in an Ideal Hydromagnetic Fluid. B. C. Low. 649, 1064 (2006)
- See JUDGE, P. G., et al. Spectral Lines for Polarization Measurements of the Coronal Magnetic Field. IV. Stokes Signals in Current-carrying Fields. 651, 1229 (2006)
- LOW, BOON CHYE. See ZHANG, MEI, et al. Magnetic Field Confinement in the Corona: The Role of Magnetic Helicity Accumulation. 644, 575 (2006)
- LOW, F. J. See SHI, Y., et al. $9.7 \mu\text{m}$ Silicate Features in Active Galactic Nuclei: New Insights into Unification Models. 653, 127 (2006)
- See SMITH, P. S., et al. *Spitzer* Far-Infrared Detections of Cold Circumstellar Disks. 644, L125 (2006)
- LOWRANCE, P. See SONG, INSEOK, et al. *HST* NICMOS Imaging of the Planetary-mass Companion to the Young Brown Dwarf 2MASSW J1207334-393254. 652, 724 (2006)
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- LOWRANCE, PATRICK J. See KIRKPATRICK, J. DAVY, et al. Discovery of a Very Young Field L Dwarf, 2MASS J01415823-4633574. 639, 1120 (2006)
- LU, HONGLIN. See ZHOU, HONGYAN, et al. A Comprehensive Study of 2000 Narrow Line Seyfert 1 Galaxies from the Sloan Digital Sky Survey. I. The Sample. 166, 128 (2006)
- LU, HSIAO-CHI. See CHENG, BING-MING, et al. Absorption Cross Sections of NH_3 , NH_2D , NHD_2 , and ND_3 in the Spectral Range 140-220 nm and Implications for Planetary Isotopic Fractionation. 647, 1535 (2006)
- LU, JU-FU. See GU, WEI-MIN, et al. Neutrino-dominated Accretion Models for Gamma-Ray Bursts: Effects of General Relativity and Neutrino Opacity. 643, L87 (2006)
- LU, LIMIN. See JORGENSEN, REGINA A., et al. The UCSD Radio-selected Quasar Survey for Damped Ly α Systems. 646, 730 (2006)
- LU, N. See APPLETON, P. N., et al. Powerful High-Velocity Dispersion Molecular Hydrogen Associated with an Intergalactic Shock Wave in Stephan's Quintet. 639, L51 (2006)
- LU, Q. M. The Nearly Isotropic Velocity Distributions of Energetic Electrons in the Solar Wind. Q. M. Lu, C. S. Wu, and S. Wang. 638, 1169 (2006)
- LU, Y. Capture of a Red Giant by the Black Hole Sagittarius A* as a Possible Origin for the TeV Gamma Rays from the Galactic Center. Y. Lu, K. S. Cheng, and Y. F. Huang. 641, 288 (2006)
- LU, YE. See ZHENG, ZHENG, et al. A Comptonization Model for the Prompt Optical and Infrared Emission of GRB 041219A. 646, L25 (2006)
- See ZHENG, ZHENG, et al. Erratum: "A Comptonization Model for the Prompt Optical and Infrared Emission of GRB 041219A" (ApJ, 646, L25 [2006]). 648, L161 (2006)
- LU, YOUJUN. See ZHOU, HONGYAN, et al. A Comprehensive Study of 2000 Narrow Line Seyfert 1 Galaxies from the Sloan Digital Sky Survey. I. The Sample. 166, 128 (2006)
- LU, YOU-JUN. See WANG, TING-GUI, et al. Evidence for a Population of Beamed Radio-intermediate Quasars. 645, 856 (2006)
- LU, YU. See ZHOU, HONGYAN, et al. Polar Outflows in Six Broad Absorption Line Quasars. 639, 716 (2006)
- See WANG, TING-GUI, et al. Evidence for a Population of Beamed Radio-intermediate Quasars. 645, 856 (2006)
- LUBIN, L. See BLOOM, J. S., et al. Closing in on a Short-Hard Burst Progenitor: Constraints from Early-Time Optical Imaging and Spectroscopy of a Possible Host Galaxy of GRB 050509b. 638, 354 (2006)
- LUBIN, L. M. See FASSNACHT, C. D., et al. Mass along the Line of Sight to

- the Gravitational Lens B1608+656: Galaxy Groups and Implications for H_0 . 642, 30 (2006)
- See FASSNACHT, C. D., et al. Three Gravitational Lenses for the Price of One: Enhanced Strong Lensing through Galaxy Clustering. 651, 667 (2006)
- LUBIN, LORI M. See MULCHAIEY, JOHN S., et al. X-Ray-selected Intermediate-Redshift Groups of Galaxies. 646, 133 (2006)
- See JELTEMA, TESLA E., et al. X-Ray Properties of Intermediate-Redshift Groups of Galaxies. 649, 649 (2006)
- LUBIN, P. See SINGAL, J., et al. The Cosmic Microwave Background Temperature and Galactic Emission at 8.0 and 8.3 GHz. 653, 835 (2006)
- LUBOW, S. H. Gas Flow across Gaps in Protoplanetary Disks. *S. H. Lubow and G. D'Angelo*. 641, 526 (2006)
- LUBOW, STEPHEN H. See D'ANGELO, GENNARO, et al. Evolution of Giant Planets in Eccentric Disks. 652, 1698 (2006)
- LUCARELLI, F. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
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- LUCATELLO, S. See FERRARO, F. R., et al. Discovery of Carbon/Oxygen-depleted Blue Straggler Stars in 47 Tucanae: The Chemical Signature of a Mass Transfer Formation Process. 647, L53 (2006)
- LUCATELLO, SARA. The Frequency of Carbon-enhanced Metal-poor Stars in the Galaxy from the HERES Sample. *Sara Lucatello, Timothy C. Beers, Norbert Christlieb, Paul S. Barklem, Silvia Rossi, Brian Marsteller, Thirupathi Sivarami, and Young Sun Lee*. 652, L37 (2006)
- LUFKIN, GRAEME. Planetesimals in the Presence of Giant Planet Migration. *Graeme Lufkin, Derek C. Richardson, and Lee G. Mundy*. 653, 1464 (2006)
- LUGARO, M. A. See KARAKAS, A. I., et al. The Uncertainties in the $^{22}\text{Ne}+\alpha$ -Capture Reaction Rates and the Production of the Heavy Magnesium Isotopes in Asymptotic Giant Branch Stars of Intermediate Mass. 643, 471 (2006)
- LUGARO, MARIA. See FENNER, YESHE, et al. Cosmological Implications of Dwarf Spheroidal Chemical Evolution. 646, 184 (2006)
- See ZINNER, ERNST, et al. Silicon and Carbon Isotopic Ratios in AGB Stars: SiC Grain Data, Models, and the Galactic Evolution of the Si Isotopes. 650, 350 (2006)
- LUGGER, P. See VAN DEN BERG, M., et al. ChaMPPlane Discovery of Candidate Symbiotic Binaries in Baade's and Stanek's Windows. 647, L135 (2006)
- LUGGER, P. M. See ROGEL, A. B., et al. Three Years of ChaMPPlane Northern Field WIYN Spectroscopy. 163, 160 (2006)
- See HEINKE, C. O., et al. Faint X-Ray Sources in the Globular Cluster Terzan 5. 651, 1098 (2006)
- LUHMANN, K. L. Testing Theoretical Evolutionary Models with AB Doradus C and the Initial Mass Function. *K. L. Luhman and D. Potter*. 638, 887 (2006)
- The Spatial Distribution of Brown Dwarfs in Taurus. *K. L. Luhman*. 645, 676 (2006)
- A Survey for New Members of Taurus with the *Spitzer Space Telescope*. *K. L. Luhman, B. A. Whitney, M. R. Meade, B. L. Babler, R. Indebetouw, S. Bracker, and E. B. Churchwell*. 647, 1180 (2006)
- Discovery of a Young Substellar Companion in Chamaeleon. *K. L. Luhman, J. C. Wilson, W. Brandner, M. F. Skrutskie, M. J. Nelson, J. D. Smith, D. E. Peterson, M. C. Cushing, and E. Young*. 649, 894 (2006)
- LUHMANN, KEVIN L. See MUZEROLLE, JAMES, et al. 24 μm Detections of Circum(sub)stellar Disks in IC 348: Grain Growth and Inner Holes? 643, 1003 (2006)
- See PATTEN, BRIAN M., et al. *Spitzer* IRAC Photometry of M, L, and T Dwarfs. 651, 502 (2006)
- LUHMANN, J. G. See RILEY, PETE, et al. A Comparison between Global Solar Magnetohydrodynamic and Potential Field Source Surface Model Results. 653, 1510 (2006)
- LUHMANN, JANET. See LI, YAN, et al. Coronal Magnetic Field Topology over Filament Channels: Implication for Coronal Mass Ejection Initiations. 648, 732 (2006)
- LUINE, CARYNN. See GILBERT, KAROLINE M., et al. A New Method for Isolating M31 Red Giant Stars: The Discovery of Stars out to a Radial Distance of 165 kpc. 652, 1188 (2006)
- LUKIĆ, D. See SCHMIDT, E. W., et al. Electron-Ion Recombination Measurements Motivated by AGN X-Ray Absorption Features: Fe XIV Forming Fe XIII. 641, L157 (2006)
- LUKIĆ, ZARIJA. See HEITMANN, KATRIN, et al. Capturing Halos at High Redshifts. 642, L85 (2006)
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- LUNA, A. Molecular Gas, Kinematics, and OB Star Formation in the Spiral Arms of the Southern Milky Way. *A. Luna, L. Bronfman, L. Carrasco, and J. May*. 641, 938 (2006)
- LUND, N. See BÉLANGER, G., et al. A Persistent High-Energy Flux from the Heart of the Milky Way: *INTEGRAL*'s View of the Galactic Center. 636, 275 (2006)
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- LUPU, ROXANA E. See FELDMAN, PAUL D., et al. Carbon Monoxide in Comet 9P/Tempel 1 before and after the *Deep Impact* Encounter. 647, L61 (2006)
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- of $z \sim 2$ UV-selected Galaxies: Rotation Curves and Dynamical Evolution. 645, 1062 (2006)
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- See DASYRA, K. M., et al. Dynamical Properties of Ultraluminous Infrared Galaxies. II. Traces of Dynamical Evolution and End Products of Local Ultraluminous Mergers. 651, 835 (2006)
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- LYNCH, D. K. Early Infrared Spectral Development of V1187 Scorpii (Nova Scorpii 2004 No. 2). D. K. Lynch, C. E. Woodward, T. R. Geballe, R. W. Russell, R. J. Rudy, C. C. Venturini, G. J. Schwarz, R. D. Gehrz, N. Smith, J. E. Lyke, S. J. Bus, M. L. Sitko, T. E. Harrison, S. Fisher, S. P. Eyres, A. Evans, S. N. Shore, S. Starrfield, M. F. Bode, M. A. Greenhouse, P. H. Hauschildt, J. W. Truran, R. E. Williams, R. Brad Perry, R. Zamanov, and T. J. O'Brien. 638, 987 (2006)
- See HAMMEL, H. B., et al. Mid-Infrared Ethane Emission on Neptune and Uranus. 644, 1326 (2006)
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- See MILUTINOVIĆ, NIKOLA, et al. The Nature of Weak Mg II Absorbing Structures. 641, 190 (2006)
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- LYUBARSKY, YURI. Are Gamma-Ray Burst Shocks Mediated by the Weibel Instability? Yuri Lyubarsky and David Eichler. 647, 1250 (2006)
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- 037-B327 in M31: Luminous Globular Cluster or Core of a Former Dwarf Spheroidal Companion to M31? Jun Ma, Sidney van den Bergh, Hong Wu, Yanbin Yang, Xu Zhou, Jiansheng Chen, Zhenyu Wu, Zhaoji Jiang, and Jianghua Wu. 636, L93 (2006)
- MA, KUN. See ZHANG, BO, et al. Neutron-Capture Elements in the s - and r -Process-rich Stars: Constraints on Neutron-Capture Nucleosynthesis Processes. 642, 1075 (2006)
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- MACBETH, JARED. See CUMMING, ANDREW, et al. Long Type I X-Ray Bursts and Neutron Star Interior Physics. 646, 429 (2006)
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- See SAHA, PRASENJIT, et al. The Hubble Time Inferred from 10 Time Delay Lenses. 650, L17 (2006)
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- MACFADYEN, ANDREW I. See ZHANG, WEIQUN, et al. RAM: A Relativistic Adaptive Mesh Refinement Hydrodynamics Code. 164, 255 (2006)
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- Chandra* Observations of Nuclear Outflows in the Elliptical Galaxy NGC 4552 in the Virgo Cluster. M. Machacek, P. E. J. Nulsen, C. Jones, and W. R. Forman. 648, 947 (2006)
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- The First Jets in the Universe: Protostellar Jets from the First Stars. Masahiro N. Machida, Kazuyuki Omukai, Tomoaki Matsumoto, and Shu-ichiro Inutsuka. 647, L1 (2006)
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- See MAROIS, CHRISTIAN, et al. Accurate Astrometry and Photometry of Saturated and Coronagraphic Point Spread Functions. 647, 612 (2006)
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- MACKAY, D. H. Models of the Large-Scale Corona. I. Formation, Evolution,

- and Lutoff of Magnetic Flux Ropes. *D. H. Mackay and A. A. van Ballegoijen*. 641, 577 (2006)
- Models of the Large-Scale Corona. II. Magnetic Connectivity and Open Flux Variation. *D. H. Mackay and A. A. van Ballegoijen*. 642, 1193 (2006)
- MACKENTY, JOHN W. See FIGER, DONALD F., et al. Discovery of an Extraordinarily Massive Cluster of Red Supergiants. 643, 1166 (2006)
- See FIGER, DONALD F., et al. Erratum: "Discovery of an Extraordinarily Massive Cluster of Red Supergiants" (ApJ, 643, 1166 [2006]). 646, 1452 (2006)
- MACKEY, A. D. ACS Photometry of Extended, Luminous Globular Clusters in the Outskirts of M31. *A. D. Mackey, A. Huxor, A. M. N. Ferguson, N. R. Tanvir, M. Irwin, R. Ibata, T. Bridges, R. A. Johnson, and G. Lewis*. 653, L105 (2006)
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- MACTAVISH, C. J. Cosmological Parameters from the 2003 Flight of BOOMERANG. *C. J. MacTavish, P. A. R. Ade, J. J. Bock, J. R. Bond, J. Borrill, A. Boscaleri, P. Cabella, C. R. Contaldi, B. P. Crill, P. de Bernardis, G. De Gasperis, A. de Oliveira-Costa, G. De Troia, G. di Stefano, E. Hivon, A. H. Jaffe, W. C. Jones, T. S. Kisner, A. E. Lange, A. M. Lewis, S. Masi, P. D. Mauskopf, A. Melchiorri, T. E. Montroy, P. Natoli, C. B. Netterfield, E. Pascale, F. Piacentini, D. Pogosyan, G. Polenta, S. Prunet, S. Ricciardi, G. Romeo, J. E. Ruhl, P. Santini, M. Tegmark, M. Veneziani, and N. Vittorio*. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
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- MADEJSKI, G. X-Ray Emission from Megamaser Galaxy IC 2560. *G. Madejski, C. Done, P. T. Życki, and L. Greenhill*. 636, 75 (2006)
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- MADGWICK, D. S. See WILLMER, C. N. A., et al. The Deep Evolutionary Exploratory Probe 2 Galaxy Redshift Survey: The Galaxy Luminosity Function to $z \sim 1$. 647, 853 (2006)
- MADHUSUDHAN, N. Models of Ultraluminous X-Ray Sources with Intermediate-Mass Black Holes. *N. Madhusudhan, S. Justham, L. Nelson, B. Paxton, E. Pfahl, Ph. Podsiadlowski, and S. Rappaport*. 640, 918 (2006)
- See GHOSH, KAJAL K., et al. Discovery of a 3.6 hr Eclipsing Luminous X-Ray Binary in the Galaxy NGC 4214. 650, 872 (2006)
- MADORE, B. F. See IGLESIAS-PÁRAMO, J., et al. Star Formation in the Nearby Universe: The Ultraviolet and Infrared Points of View. 164, 38 (2006)
- See CORTESE, L., et al. UV Dust Attenuation in Normal Star-Forming Galaxies. I. Estimating the $L_{\text{FIR}}/L_{\text{UV}}$ Ratio. 637, 242 (2006)
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- See JOHNSON, B. D., et al. Dissecting Galaxy Colors with *GALEX*, *SDSS*, and *Spitzer*. 644, L109 (2006)
- MADORE, BARRY F. See FOLATELLI, GASTÓN, et al. SN 2005bf: A Possible Transition Event between Type Ib/c Supernovae and Gamma-Ray Bursts. 641, 1039 (2006)
- See XU, C. KEVIN, et al. Ultraviolet and Far-Infrared-selected Star-forming Galaxies at $z = 0$: Differences and Overlaps. 646, 834 (2006)
- MADRID, JUAN. See FLOYD, DAVID J. E., et al. An Optical-Infrared Jet in 3C 133. 643, 660 (2006)
- MADRID, JUAN P. *Hubble Space Telescope* Near-Infrared Snapshot Survey of 3CR Radio Source Counterparts at Low Redshift. *Juan P. Madrid, Marco Chiaberge, David Floyd, William B. Sparks, Duccio Macchetto, George K. Miley, David Axon, Alessandro Capetti, Christopher P. O'Dea, Stefi Baum, Eric Perlman, and Alice Quillen*. 164, 307 (2006)
- See TREMBLAY, GRANT R., et al. The Warped Nuclear Disk of Radio Galaxy 3C 449. 643, 101 (2006)
- MADSEN, G. J. A Multiwavelength Optical Emission Line Survey of Warm Ionized Gas in the Galaxy. *G. J. Madsen, R. J. Reynolds, and L. M. Haffner*. 652, 401 (2006)
- MAEDA, ATSUKO. The Millimeter- and Submillimeter-Wave Spectrum of the *Gi* Conformer of *n*-Propanol (*n*-CH₃CH₂CH₂OH). *Atsuko Maeda, Frank C. De Lucia, Eric Herbst, John C. Pearson, Joanna Riccobono, Elizabeth Trossell, and Robert K. Bohn*. 162, 428 (2006)
- The Millimeter- and Submillimeter-Wave Spectrum of *Iso*-Propanol [(CH₃)₂CHOH]. *Atsuko Maeda, Ivan R. Medvedev, Frank C. De Lucia, and Eric Herbst*. 166, 650 (2006)
- MAEDA, H. See MIZUNO, N., et al. Detection of Molecular Clouds in the Magellanic Bridge: Candidate Star Formation Sites in a Nearby Low-Metallicity System. 643, L107 (2006)
- MAEDA, K. Nebular Spectra of SN 1998bw Revisited: Detailed Study by One- and Two-dimensional Models. *K. Maeda, K. Nomoto, P. A. Mazzali, and J. Deng*. 640, 854 (2006)
- MAEDA, KEIICHI. Three-dimensional Simulation of Gamma-Ray Emission from Asymmetric Supernovae and Hypernovae. *Keiichi Maeda*. 644, 385 (2006)
- See TOMITA, HIROYUKI, et al. The Optical/Near-Infrared Light Curves of SN 2002ap for the First 1.5 Years after Discovery. 644, 400 (2006)
- See TANAKA, MASAOMI, et al. Three-dimensional Models for High-Velocity Features in Type Ia Supernovae. 645, 470 (2006)
- See MAZZALI, PAOLO A., et al. Models for the Type Ic Hypernova SN 2003lw associated with GRB 031203. 645, 1323 (2006)
- Optical Emission from Aspherical Supernovae and the Hypernova SN

- 1998bw. *Keiichi Maeda, Paolo A. Mazzali, and Ken'ichi Nomoto*. 645, 1331 (2006)
- See OHKUBO, TAKUYA, et al. Core-Collapse Very Massive Stars: Evolution, Explosion, and Nucleosynthesis of Population III 500–1000 M_{\odot} Stars. 645, 1352 (2006)
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- MAEDA, S. Generation Mechanisms of Amino Acids in Interstellar Space via Reactions between Closed-Shell Species: Significance of Higher Energy Isomers in Molecular Evolution. *S. Maeda and K. Ohno*. 640, 823 (2006)
- MAEDER, ANDRÉ. See LEVESQUE, EMILY M., et al. The Effective Temperatures and Physical Properties of Magellanic Cloud Red Supergiants: The Effects of Metallicity. 645, 1102 (2006)
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- MAESAKA, H. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
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- MAGALHÃES, A. M. See CARCIOFI, A. C., et al. Properties of the δ Scorpii Circumstellar Disk from Continuum Modeling. 652, 1617 (2006)
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- MAGDALENIĆ, J. Classification and Properties of Supershort Solar Radio Bursts. *J. Magdalenić, B. Vršnak, P. Zlobec, A. Hillaris, and M. Messerotti*. 642, L77 (2006)
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- MAGNANI, LORIS. CH 3 GHz Observations of the Galactic Center. *Loris Magnani, Susan Zelenik, T. M. Dame, and Ben Engebret*. 636, 267 (2006)
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- MAIER, C. Oxygen Gas Abundances at $z \sim 1.4$: Implications for the Chemical Evolution History of Galaxies. *C. Maier, S. J. Lilly, C. M. Carollo, K. Meisenheimer, H. Hippelein, and A. Stockton*. 639, 858 (2006)
- Erratum: "Oxygen Gas Abundances at $z \sim 1.4$: Implications for the Chemical Evolution History of Galaxies" (ApJ, 639, 858 [2006]). *C. Maier, S. J. Lilly, C. M. Carollo, K. Meisenheimer, H. Hippelein, and A. Stockton*. 643, 584 (2006)
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- MALEK, M. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- See PIRZKAL, N., et al. Morphology and Evolution of Emission-Line Galaxies in the Hubble Ultra Deep Field. 636, 582 (2006)
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- MALIK, MANZOOR A. See AHMAD, FAROOQ, et al. Statistical Mechanics of the Cosmological Many-Body Problem. II. Results of Higher Order Contributions. 645, 940 (2006)
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- See BASSANI, L., et al. *INTEGRAL* IBIS Extragalactic Survey: Active Galactic Nuclei Selected at 20–100 keV. 636, L65 (2006)
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- MAO, J. See LAPL, A., et al. Quasar Luminosity Functions from Joint Evolution of Black Holes and Host Galaxies. 650, 42 (2006)
- MAO, PETER H. See ECKART, MEGAN E., et al. The Serendipitous Extragalactic X-Ray Source Identification (SEXSI) Program. III. Optical Spectroscopy. 165, 19 (2006)
- MAO, RUI-QING. See SAKAMOTO, KAZUSHI, et al. Molecular Superbubbles in the Starburst Galaxy NGC 253. 636, 685 (2006)
- MAO, S. See WANG, J. L., et al. Luminous Infrared Galaxies in the Local Universe. 649, 722 (2006)
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- See LI, GUO-LIANG, et al. Smoothing Algorithms and High-Order Singularities in Gravitational Lensing. 652, 43 (2006)
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- See PETERSON, BRADLEY M., et al. Erratum: “Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. I. A Reverberation-based Measurement of the Black Hole Mass” (*ApJ*, 632, 799 [2005]). 641, 638 (2006)
- See O'NEILL, PAUL M., et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. II. X-Ray and Ultraviolet Continuum Variability. 645, 160 (2006)
- See DESROCHES, LOUIS-BENOIT, et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. III. Optical Variability and X-Ray/UV/Optical Correlations. 650, 88 (2006)

- MARANG, F. See CARCIOFI, A. C., et al. Properties of the δ Scorpii Circumstellar Disk from Continuum Modeling. 652, 1617 (2006)
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- MARCHESINI, D. See VAN DOKKUM, P. G., et al. The Space Density and Colors of Massive Galaxies at $2 < z < 3$: The Predominance of Distant Red Galaxies. 638, L59 (2006)
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- See WEBB, TRACY M. A., et al. Star Formation in Distant Red Galaxies: *Spitzer* Observations in the Hubble Deep Field-South. 636, L17 (2006)
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- A *Spitzer* IRAC Search for Substellar Companions of the Debris Disk Star ϵ Eridani. M. Marengo, S. T. Megeath, G. G. Fazio, K. R. Stapelfeldt, M. W. Werner, and D. E. Backman. 647, 1437 (2006)
- MARENGO, MASSIMO. See BILLER, BETH A., et al. Resolving the Dusty Circumstellar Structure of the Enigmatic Symbiotic Star CH Cygni with the MMT Adaptive Optics System. 647, 464 (2006)
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- MARINAS, N. Mid-Infrared Imaging of the Herbig Ae Star AB Aurigae: Extended Emission on Several Scales. N. Marínas, C. M. Telesco, R. S. Fisher, C. Packham, and J. T. Radomski. 653, 1353 (2006)
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- MARISKA, JOHN T. Characteristics of Solar Flare Doppler-Shift Oscillations Observed with the Bragg Crystal Spectrometer on *Yohkoh*. John T. Mariska. 639, 484 (2006)
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- See ASCASIBAR, YAGO, et al. The Origin of Cold Fronts in the Cores of Relaxed Galaxy Clusters. 650, 102 (2006)
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- MARKOVSKII, S. A. Dissipation of the Perpendicular Turbulent Cascade in the Solar Wind. S. A. Markovskii, Bernard J. Vasquez, Charles W. Smith, and Joseph V. Hollweg. 639, 1177 (2006)
- Erratum: "Dissipation of the Perpendicular Turbulent Cascade in the Solar Wind" (ApJ, 639, 1177 [2006]). S. A. Markovskii, Bernard J. Vasquez, Charles W. Smith, and Joseph V. Hollweg. 648, 1291 (2006)
- MARKOWITZ, A. Fe K Emission and Absorption in the XMM-EPIC Spectrum of the Seyfert Galaxy IC 4329a. A. Markowitz, J. N. Reeves, and V. Braito. 646, 783 (2006)
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- MARQUÉ, C. Solar Energetic Particles and Radio-silent Fast Coronal Mass Ejections. C. Marqué, A. Posner, and K.-L. Klein. 642, 1222 (2006)
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- MARSH, K. A. Images of the Vega Dust Ring at 350 and 450 μm : New Clues to the Trapping of Multiple-Sized Dust Particles in Planetary Resonances. K. A. Marsh, C. D. Dowell, T. Velusamy, K. Grogan, and C. A. Beichman. 646, L77 (2006)
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- A Multiwavelength Radial Velocity Search for Planets around the Brown Dwarf LP 944-20. E. L. Martín, E. Guenther, M. R. Zapatero Osorio, H. Bouy, and R. Wainscoat. 644, L75 (2006)
- MARTÍN, EDUARDO L. See GE, JIAN, et al. The First Extrasolar Planet Discovered with a New-Generation High-Throughput Doppler Instrument. 648, 683 (2006)
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- See PHAN-BAO, NGOC, et al. Magnetic Fields in M Dwarfs: Rapid Magnetic Field Variability in EV Lacertae. 646, L73 (2006)
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- MARTIN, JOHN C. On the He II Emission in η Carinae and the Origin of Its Spectroscopic Events. John C. Martin, K. Davidson, Roberta M. Humphreys, D. J. Hillier, and K. Ishibashi. 640, 474 (2006)
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- See JIMÉNEZ-SERRA, I., et al. The First Measurements of the Electron Density Enhancements Expected in C-Type Shocks. 650, L135 (2006)
- MARTINACHE, FRANTZ. Exoplanet Imaging with a Phase-induced Amplitude Apodization Coronagraph. II. Performance. Frantz Martinache, Olivier Guyon, Eugene A. Pluzhnik, Raphael Galicher, and Stephen T. Ridgway. 639, 1129 (2006)
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- See JIMÉNEZ-SERRA, I., et al. The First Measurements of the Electron Density Enhancements Expected in C-Type Shocks. 650, L135 (2006)
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- Parsec of the Galaxy: Properties, Dynamics, and Formation. 643, 1011 (2006)
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- GCIRS 16SW: A Massive Eclipsing Binary in the Galactic Center. *F. Martins, S. Trippe, T. Paumard, T. Ott, R. Genzel, G. Rauw, F. Eisenhauer, S. Gillessen, H. Maness, and R. Abuter*. 649, L103 (2006)
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- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
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- The Role of Interplanetary Scattering in Western Hemisphere Large Solar Energetic Particle Events. *G. M. Mason, M. I. Desai, C. M. S. Cohen, R. A. Mewaldt, E. C. Stone, and J. R. Dwyer*. 647, L65 (2006)
- MASON, GLENN M. See LIU, SIMING, et al. Stochastic Acceleration of ^3He and ^4He in Solar Flares by Parallel-propagating Plasma Waves: General Results. 636, 462 (2006)
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- See MAUGHAN, B. J., et al. *XMM-Newton* Observes Cl J0152.7–1357: A Massive Galaxy Cluster Forming at Merger Crossroads at $z = 0.83$. 640, 219 (2006)
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- MASON, R. E. Spatially Resolved Mid-Infrared Spectroscopy of NGC 1068: The Nature and Distribution of the Nuclear Material. *R. E. Mason, T. R. Geballe, C. Packham, N. A. Levenson, M. Elitzur, R. S. Fisher, and E. Perlman*. 640, 612 (2006)
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- Bringing VY Canis Majoris Down to Size: An Improved Determination of Its Effective Temperature. *Philip Massey, Emily M. Levesque, and Bertrand Plez*. 646, 1203 (2006)
- The Discovery of a P Cygni Analog in M31. *Philip Massey*. 638, L93 (2006)
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- Cluster Peculiar Velocity Dispersion, and H_0 . Karen L. Masters, Christopher M. Springob, Martha P. Haynes, and Riccardo Giovanelli. 653, 861 (2006)
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- A Keck/DEIMOS Spectroscopy of Ly α Blobs at Redshift $z = 3.1$. Yuichi Matsuda, Toru Yamada, Tomoki Hayashino, Ryosuke Yamauchi, and Yuki Nakamura. 640, L123 (2006)
- MATSUI, HIDEORI. Effects of a Supermassive Black Hole Binary on a Nuclear Gas Disk. Hidenori Matsui, Asao Habe, and Takayuki R. Saitoh. 651, 767 (2006)
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- MATSUSHITA, KYOKO. See UEDA, YOSHIHIRO, et al. Erratum: "Study of the Galactic Interstellar Medium from High-Resolution X-Ray Spectroscopy: X-Ray Absorption Fine Structure and Abundances of O, Mg, Si, S, and Fe" (ApJ, 620, 274 [2005]). 652, 845 (2006)
- MATSUSHITA, S. See IONO, D., et al. Interferometric 890 μ m Images of High-Redshift Submillimeter Galaxies. 640, L1 (2006)
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- See UETA, T., et al. Detection of a Far-Infrared Bow Shock Nebula around R Hya: The First MIRIAD Results. 648, L39 (2006)
- MATSUZAKI, K. See EZOE, Y., et al. Investigation of Diffuse Hard X-Ray Emission from the Massive Star-forming Region NGC 6334. 638, 860 (2006)

- See EZOE, Y., et al. The Discovery of Diffuse X-Ray Emission in NGC 2024, One of the Nearest Massive Star-forming Regions. 649, L123 (2006)
- MATT, SEAN. Astrophysical Explosions Driven by a Rotating, Magnetized, Gravitating Sphere. *Sean Matt, Adam Frank, and Eric G. Blackman*. 647, L45 (2006)
- MATTEI, ALVISE. See CHARDONNET, PASCAL, et al. On the Role of the Galactic Magnetic Halo in Ultra-High-Energy Cosmic-Ray Propagation. 645, L121 (2006)
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- See CALURA, FRANCESCO, et al. Cosmic Supernova Rates and the Hubble Sequence. 652, 889 (2006)
- MATTHAEUS, W. H. See SHALCHI, A., et al. Parallel and Perpendicular Transport of Heliospheric Cosmic Rays in an Improved Dynamical Turbulence Model. 642, 230 (2006)
- See RUFFOLO, D., et al. Random Walk of Magnetic Field Lines in Nonaxisymmetric Turbulence. 644, 971 (2006)
- See QIN, G., et al. Parallel Diffusion of Charged Particles in Strong Two-dimensional Turbulence. 640, L103 (2006)
- See GICALONE, J., et al. Structure of the Turbulent Interplanetary Magnetic Field. 641, L61 (2006)
- MATTHAEUS, WILLIAM H. See SMITH, CHARLES W., et al. Turbulent Heating of the Solar Wind by Newborn Interstellar Pickup Protons. 638, 508 (2006)
- MATTHEWS, BRENDA C. See CORTES, PAULO C., et al. Interferometric Mapping of Magnetic Fields: NGC 2071IR. 650, 246 (2006)
- The Rotating Molecular Core and Precessing Outflow of the Young Stellar Object Barnard 1c. *Brenda C. Matthews, Michiel R. Hogerheijde, Jes K. Jorgensen, and Edwin A. Bergin*. 652, 1374 (2006)
- MATTHEWS, HENRY. See JOHNSTONE, DOUG, et al. Large Area Mapping at 850 μ m. IV. Analysis of the Clump Distribution in the Orion B South Molecular Cloud. 639, 259 (2006)
- MATTHEWS, J. A. J. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- MATTHEWS, J. M. See AERTS, C., et al. δ Ceti Is Not Monoperiodic: Seismic Modeling of a β Cephei Star from *MOST* Space-based Photometry. 642, 470 (2006)
- See SAIO, H., et al. *MOST* Detects g - and p -Modes in the B Supergiant HD 163899 (B2 Ib/II). 650, 1111 (2006)
- See AERTS, C., et al. Discovery of the New Slowly Pulsating B Star HD 163830 (B5 II/III) from *MOST* Space-based Photometry. 642, L165 (2006)
- MATTHEWS, J. N. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- MATTHEWS, JAYMIE M. See ROWE, JASON F., et al. An Upper Limit on the Albedo of HD 209458b: Direct Imaging Photometry with the *MOST* Satellite. 646, 1241 (2006)
- See CROLL, BRYCE, et al. Differential Rotation of ϵ Eridani Detected by *MOST*. 648, 607 (2006)
- MATTHEWS, LYNN D. First Resolved Images of the Mira AB Symbiotic Binary at Centimeter Wavelengths. *Lynn D. Matthews and Margarita Karovska*. 637, L49 (2006)
- MATTILA, S. See MEIKLE, W. P. S., et al. A *Spitzer Space Telescope* Study of SN 2002hh: An Infrared Echo from a Type IIP Supernova. 649, 332 (2006)
- MATTILA, SEppo. See KOTAK, RUBINA, et al. *Spitzer* Measurements of Atomic and Molecular Abundances in the Type IIP SN 2005af. 651, L117 (2006)
- MATTINGLY, A. See VALTONEN, M. J., et al. The 2005 November Outburst in OJ 287 and the Binary Black Hole Model. 643, L9 (2006)
- MATTOS, WANESSA. See SARAJEDINI, VICKI L., et al. The DEEP Groth Strip Survey. VI. Spectroscopic, Variability, and X-Ray Detection of Active Galactic Nuclei. 166, 69 (2006)
- MATZNER, CHRISTOPHER D. See KRUMHOLZ, MARK R., et al. The Global Evolution of Giant Molecular Clouds. I. Model Formulation and Quasi-Equilibrium Behavior. 653, 361 (2006)
- MAUCHE, C. W. See HOOGWERF, R., et al. Accretion Column Structure of Magnetic Cataclysmic Variables from X-Ray Spectroscopy. 643, L45 (2006)
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- MAUGHAN, B. J. *XMM-Newton* Observes Cl J0152.7–1357: A Massive Galaxy Cluster Forming at Merger Crossroads at $z = 0.83$. *B. J. Maughan, S. C. Ellis, L. R. Jones, K. O. Mason, F. A. Córdova, and W. Priedhorsky*. 640, 219 (2006)
- MAURICE, É. See ASSEF, R. J., et al. Removing the Microlensing Blending-Parallax Degeneracy Using Source Variability. 649, 954 (2006)
- MAURY, A. See ASSEF, R. J., et al. Removing the Microlensing Blending-Parallax Degeneracy Using Source Variability. 649, 954 (2006)
- MAUSKOPF, P. D. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- MAUSKOPF, PHILIP. See ENOCH, MELISSA L., et al. Bolocam Survey for 1.1 mm Dust Continuum Emission in the c2d Legacy Clouds. I. Perseus. 638, 293 (2006)
- See YOUNG, KAISA E., et al. Bolocam Survey for 1.1 mm Dust Continuum Emission in the c2d Legacy Clouds. II. Ophiuchus. 644, 326 (2006)
- MAY, J. See LUNA, A., et al. Molecular Gas, Kinematics, and OB Star Formation in the Spiral Arms of the Southern Milky Way. 641, 938 (2006)
- MAYER, LUCIO. See DEBATTISTA, VICTOR P., et al. The Secular Evolution of Disk Structural Parameters. 645, 209 (2006)
- MAYOR, M. See BAKOS, G. Á., et al. Refined Parameters of the Planet Orbiting HD 189733. 650, 1160 (2006)
- MAYYA, Y. D. The Star Formation History of the Disk of the Starburst Galaxy M82. *Y. D. Mayya, A. Bressan, L. Carrasco, and L. Hernandez-Martinez*. 649, 172 (2006)
- MAZA, J. See VAN DOKKUM, P. G., et al. The Space Density and Colors of Massive Galaxies at $2 < z < 3$: The Predominance of Distant Red Galaxies. 638, L59 (2006)
- MAZA, JOSÉ. See GAWISER, ERIC, et al. The Multiwavelength Survey by Yale-Chile (MUSYC): Survey Design and Deep Public *UBVRiz* Images and Catalogs of the Extended Hubble Deep Field–South. 162, 1 (2006)
- See CASTANDER, FRANCISCO J., et al. CXOCY J220132.8–320144: An Edge-on Spiral Gravitational Lens. 652, 955 (2006)
- See WEBB, TRACY M. A., et al. Star Formation in Distant Red Galaxies: *Spitzer* Observations in the Hubble Deep Field–South. 636, L17 (2006)
- See GAWISER, ERIC, et al. The Physical Nature of Ly α -emitting Galaxies at $z = 3.1$. 642, L13 (2006)
- MAZE, T. See BAKOS, G. Á., et al. Refined Parameters of the Planet Orbiting HD 189733. 650, 1160 (2006)
- MAZIN, D. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- MAZUR, J. E. See DESAI, M. I., et al. Heavy-Ion Elemental Abundances in Large Solar Energetic Particle Events and Their Implications for the Seed Population. 649, 470 (2006)
- See DESAI, M. I., et al. Solar Cycle Variations in the Composition of the Suprathermal Heavy-Ion Population near 1 AU. 645, L81 (2006)
- MAZZALI, P. A. See MAEDA, K., et al. Nebular Spectra of SN 1998bw Revisited: Detailed Study by One- and Two-dimensional Models. 640, 854 (2006)
- See JANKA, H.-TH., et al. Off-Axis Properties of Short Gamma-Ray Bursts. 645, 1305 (2006)
- See IMMLER, S., et al. X-Ray Observations of Type Ia Supernovae with *Swift*: Evidence of Circumstellar Interaction for SN 2005ke. 648, L119 (2006)

- MAZZALI, PAOLO A. See TOMITA, HIROYUKI, et al. The Optical/Near-Infrared Light Curves of SN 2002ap for the First 1.5 Years after Discovery. 644, 400 (2006)
- See TANAKA, MASAOMI, et al. Three-dimensional Models for High-Velocity Features in Type Ia Supernovae. 645, 470 (2006)
- Models for the Type Ic Hypervnova SN 2003lw associated with GRB 031203. Paolo A. Mazzali, Jinsong Deng, Elena Pian, Daniele Malesani, Nozomu Tominaga, Keiichi Maeda, Ken'ichi Nomoto, Guido Chincarini, Stefano Covino, Massimo Della Valle, Dino Fugazza, Gianpiero Tagliaferri, and Avishay Gal-Yam. 645, 1323 (2006)
- See MAEDA, KEIICHI, et al. Optical Emission from Aspherical Supernovae and the Hypervnova SN 1998bw. 645, 1331 (2006)
- See MOTOHARA, KENTARO, et al. The Asymmetric Explosion of Type Ia Supernovae as Seen from Near-Infrared Observations. 652, L101 (2006)
- MAZZARELLA, J. See SCHWEITZER, M., et al. *Spitzer* Quasar and ULIRG Evolution Study (QUEST). I. The Origin of the Far-Infrared Continuum of QSOs. 649, 79 (2006)
- See STURM, E., et al. Mid-Infrared Diagnostics of LINERs. 653, L13 (2006)
- MAZZARELLA, JOSEPH M. See RAHMAN, NURUR, et al. Probing Cool and Warm Infrared Galaxies Using Photometric and Structural Measures. 652, 1068 (2006)
- MAZZUCA, L. M. Minor Merger Origin for the Circumnuclear Starburst in NGC 7742. L. M. Mazzuca, M. Sarzi, J. H. Knapen, S. Veilleux, and R. Swaters. 649, L79 (2006)
- MCALISTER, H. A. See VAN BELLE, G. T., et al. First Results from the CHARA Array. III. Oblateness, Rotational Velocity, and Gravity Darkening of Alderamin. 637, 494 (2006)
- See BERGER, D. H., et al. First Results from the CHARA Array. IV. The Interferometric Radii of Low-Mass Stars. 644, 475 (2006)
- See AUFDENBERG, J. P., et al. First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star. 645, 664 (2006)
- See AUFDENBERG, J. P., et al. Erratum: "First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star" (ApJ, 645, 664 [2006]). 651, 617 (2006)
- MCAITEER, R. T. JAMES. See BLOOMFIELD, D. SHAUN, et al. The Influence of Magnetic Field on Oscillations in the Solar Chromosphere. 652, 812 (2006)
- MCBREEN, S. See WATSON, D., et al. Outshining the Quasars at Reionization: The X-Ray Spectrum and Light Curve of the Redshift 6.29 Gamma-Ray Burst GRB 050904. 637, L69 (2006)
- See DE UGARTE POSTIGO, A., et al. GRB 060121: Implications of a Short-/Intermediate-Duration γ -Ray Burst at High Redshift. 648, L83 (2006)
- MCBRIDE, CAMERON. See RUDICK, CRAIG S., et al. The Formation and Evolution of Intracluster Light. 648, 936 (2006)
- MCCABE, C. Investigating Disk Evolution: A High Spatial Resolution Mid-Infrared Survey of T Tauri Stars. C. McCabe, A. M. Ghez, L. Prato, G. Duchêne, R. S. Fisher, and C. Telesco. 636, 932 (2006)
- MCCALL, B. J. See GEBALLE, T. R., et al. The Interstellar Medium of IRAS 08572+3915 NW: H_2 and Warm High-Velocity CO. 644, 907 (2006)
- MCCALLUM, J. See KONDRATKO, P. T., et al. Erratum: "Discovery of Water Maser Emission in Eight AGNs with 70 m Antennas of NASA's Deep Space Network" (ApJ, 638, 100 [2006]). 649, 561 (2006)
- MCCANDLISS, S. R. See SOKOLOSKI, J. L., et al. A "Combination Nova" Outburst in Z Andromedae: Nuclear Shell Burning Triggered by a Disk Instability. 636, 1002 (2006)
- See LUPU, R. E., et al. Discovery of Ly α -pumped Molecular Hydrogen Emission in the Planetary Nebulae NGC 6853 and NGC 3132. 644, 981 (2006)
- MCCANDLISS, STEPHAN R. See FELDMAN, PAUL D., et al. Carbon Monoxide in Comet 9P/Tempel 1 before and after the *Deep Impact* Encounter. 647, L61 (2006)
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- See BEDDING, TIMOTHY R., et al. Solar-like Oscillations in the Metal-poor Subgiant ν Indi: Constraining the Mass and Age Using Asteroseismology. 647, 558 (2006)
- See JOHNSON, JOHN ASHER, et al. An Eccentric Hot Jupiter Orbiting the Subgiant HD 185269. 652, 1724 (2006)
- MCCARTHY, JR., DONALD W. See HUARD, TRACY L., et al. Deep Near-Infrared Observations of L1014: Revealing the Nature of the Core and Its Embedded Source. 640, 391 (2006)
- MCCARTHY, I. G. See LIN, W. P., et al. The Influence of Baryons on the Mass Distribution of Dark Matter Halos. 651, 636 (2006)
- MCCARTHY, M. C. Laboratory and Astronomical Identification of the Negative Molecular Ion C_2H^- . M. C. McCarthy, C. A. Gottlieb, H. Gupta, and P. Thaddeus. 652, L141 (2006)
- MCCARTHY, P. J. See SODERBERG, A. M., et al. An *HST* Study of the Supernovae Accompanying GRB 040924 and GRB 041006. 636, 391 (2006)
- See FOLATELLI, GASTÓN, et al. SN 2005bf: A Possible Transition Event between Type Ib/c Supernovae and Gamma-Ray Bursts. 641, 1039 (2006)
- See CENKO, S. B., et al. Multiwavelength Observations of GRB 050820A: An Exceptionally Energetic Event Followed from Start to Finish. 652, 490 (2006)
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- MCCAUGHREAN, MARK J. See HIRANO, NAOMI, et al. SiO $J = 5-4$ in the HH 211 Protostellar Jet Imaged with the Submillimeter Array. 636, L141 (2006)
- MCCAULEY, N. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- MCLINTOCK, JEFFREY. See LIU, JIFENG, et al. Discovery of an Eclipsing X-Ray Binary with a 32.69 hr Period in M101: An Analog of Her X-1 or LMC X-4? 653, 602 (2006)
- MCLINTOCK, JEFFREY E. See WILLIAMS, BENJAMIN F., et al. A Soft X-Ray Transient in the M31 Bulge. 637, 479 (2006)
- See REMILLARD, RONALD A., et al. The X-Ray Outburst of H1743-322 in 2003: High-Frequency QPOs with a 3 : 2 Frequency Ratio. 637, 1002 (2006)
- The Spin of the Near-Extreme Kerr Black Hole GRS 1915+105. Jeffrey E. McClintock, Rebecca Shafee, Ramesh Narayan, Ronald A. Remillard, Shane W. Davis, and Li-Xin Li. 652, 518 (2006)
- See SHAFEE, REBECCA, et al. Estimating the Spin of Stellar-Mass Black Holes by Spectral Fitting of the X-Ray Continuum. 636, L113 (2006)
- MCLURE-GRIFFITHS, N. M. See HAVERKORN, M., et al. The Southern Galactic Plane Survey: Polarized Radio Continuum Observations and Analysis. 167, 230 (2006)
- See STIL, J. M., et al. Compact H I Clouds at High Forbidden Velocities in the Inner Galaxy. 637, 366 (2006)
- Evidence for Chimney Breakout in the Galactic Supershell GSH 242-03+37. N. M. McClure-Griffiths, Alyson Ford, D. J. Pisano, B. K. Gibson, L. Staveley-Smith, M. R. Calabretta, L. Dedes, and P. M. W. Kalberla. 638, 196 (2006)
- Magnetically Dominated Strands of Cold Hydrogen in the Riegel-Crutcher Cloud. N. M. McClure-Griffiths, J. M. Dickey, B. M. Gaensler, A. J. Green, and Marijke Haverkorn. 652, 1339 (2006)
- See HAVERKORN, M., et al. Enhanced Small-Scale Faraday Rotation in the Galactic Spiral Arms. 637, L33 (2006)
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- See GOSLING, J. T., et al. Petschek-Type Reconnection Exhausts in the Solar Wind Well beyond 1 AU: *Ulysses*. 644, 613 (2006)
- See WILLINGALE, R., et al. *Swift* X-Ray Telescope Observations of the *Deep Impact* Collision. 649, 541 (2006)
- MCCOMB, T. J. L. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- MCCONNACHIE, A. See CHAPMAN, S. C., et al. A Kinetically Selected, Metal-poor Stellar Halo in the Outskirts of M31. 653, 255 (2006)
- MCCONNACHIE, ALAN. See PEÑARRUBIA, JORGE, et al. On the Formation of Extended Galactic Disks by Tidally Disrupted Dwarf Galaxies. 650, L33 (2006)
- MCCONNACHIE, ALAN W. The Stellar Halo and Outer Disk of M33. Alan W. McConnachie, Scott C. Chapman, Rodrigo A. Ibata, Annette M. N. Ferguson, Mike J. Irwin, Geraint F. Lewis, Nial R. Tanvir, and Nicolas Martin. 647, L25 (2006)
- MCCORMICK, J. See GOULD, A., et al. Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. 644, L37 (2006)
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- See ASHBY, M. L. N., et al. Mid-Infrared Identifications of SCUBA Galaxies in the CUDSS 14 Hour Field with the *Spitzer Space Telescope*. 644, 778 (2006)
- MCCRACKEN, H. J. See BRODWIN, M., et al. The Canada-France Deep Fields Survey. III. Photometric Redshift Distribution to $z_{\text{AB}} = 24$. 162, 20 (2006)
- MCCRADY, NATE. See SHEEHY, CHRISTOPHER D., et al. Constraining the Adaptive Optics Point-Spread Function in Crowded Fields: Measuring Photometric Aperture Corrections. 647, 1517 (2006)
- MCCRAY, RICHARD. See HENG, KEVIN, et al. Evolution of the Reverse Shock Emission from SNR 1987A. 644, 959 (2006)
- See ZHEKOV, SVETOZAR A., et al. *Chandra* LETG Observations of Supernova Remnant 1987A. 645, 293 (2006)
- See PARK, SANGWOOK, et al. Evolutionary Status of SNR 1987A at the Age of Eighteen. 646, 1001 (2006)
- MCCULLOUGH, P. R. See FISCHER, DEBRA A., et al. The N2K Consortium. III. Short-Period Planets Orbiting HD 149143 and HD 109749. 637, 1094 (2006)
- A Transiting Planet of a Sun-like Star. P. R. McCullough, J. E. Stys, Jeff A. Valenti, C. M. Johns-Krull, K. A. James, J. N. Heasley, B. A. Bye, C. Dodd, S. W. Fleming, A. Pinnick, R. Bissinger, B. L. Gary, P. J. Howell, and T. Vannunster. 648, 1228 (2006)
- MCCULLOUGH, R. W. See BODEWITS, D., et al. Charge Exchange Emission from Solar Wind Helium Ions. 642, 593 (2006)
- MCDIARMID, D. See BELL, M. B., et al. Six Peaks Visible in the Redshift Distribution of 46,400 SDSS Quasars Agree with the Preferred Redshifts Predicted by the Decreasing Intrinsic Redshift Model. 648, 140 (2006)
- MCDONALD, A. B. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- MCDONALD, PATRICK. The Ly α Forest Power Spectrum from the Sloan Digital Sky Survey. Patrick McDonald, Uroš Seljak, Scott Burles, David J. Schlegel, David H. Weinberg, Renyue Cen, David Shih, Joop Schaye, Donald P. Schneider, Neta A. Bahcall, John W. Briggs, J. Brinkmann, Robert J. Brunner, Masataka Fukugita, James E. Gunn, Željko Ivezić, Stephen Kent, Robert H. Lupton, and Daniel E. Vanden Berk. 163, 80 (2006)
- MCDOWELL, J. C. See KILGARD, R. E., et al. Erratum: "A *Chandra* Survey of Nearby Spiral Galaxies. I. Point Source Catalogs" (ApJS, 159, 214 [2005]). 163, 424 (2006)
- MCELWAIN, M. See KRABBE, A., et al. Diffraction-limited Imaging Spectroscopy of the Sagittarius A* Region Using OSIRIS, a New Keck Instrument. 642, L145 (2006)
- MENERY, JULIE. See GEORGANOPOULOS, MARKOS, et al. Quasar X-Ray Jets: Gamma-Ray Diagnostics of the Synchrotron and Inverse Compton Hypotheses: The Case of 3C 273. 653, L5 (2006)
- MCGAUGH, STACY. See DAS, MOUSUMI, et al. CO Detection and Millimeter Continuum Emission from Low Surface Brightness Galaxies. 651, 853 (2006)
- MCGAUGH, STACY S. See KUZIO DE NARAY, RACHEL, et al. High-Resolution Optical Velocity Fields of 11 Low Surface Brightness Galaxies. 165, 461 (2006)
- MCGEE, P. See SHANKLAND, P. D., et al. On the Search for Transits of the Planets Orbiting Gliese 876. 653, 700 (2006)
- MCGEE, PADRIC. See FISCHER, DEBRA A., et al. The N2K Consortium. III. Short-Period Planets Orbiting HD 149143 and HD 109749. 637, 1094 (2006)
- MCGEE, S. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- MCGEHEE, PEREGRINE M. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- MCGOVERN, MARK R. See KIRKPATRICK, J. DAVY, et al. Discovery of a Very Young Field L Dwarf. 2MASS J01415823–4633574. 639, 1120 (2006)
- MCGOWAN, K. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
- See MASON, K. O., et al. Prompt Optical Observations of GRB 050319 with the *Swift* UVOT. 639, 311 (2006)
- MCGOWAN, K. E. Evidence for Surface Cooling Emission in the *XMM-Newton* Spectrum of the X-Ray Pulsar PSR B2334+61. K. E. McGowan, S. Zane, M. Cropper, W. T. Vestrand, and C. Ho. 639, 377 (2006)
- See SCHADY, P., et al. *Swift* UVOT Observations of X-Ray Flash 050406. 643, 276 (2006)
- Probing the Pulsar Wind Nebula of PSR B0355+54. K. E. McGowan, W. T. Vestrand, J. A. Kennea, S. Zane, M. Cropper, and F. A. Córdova. 647, 1300 (2006)
- MCGOWAN, KATHERINE. See ROMING, PETER W. A., et al. Very Early Optical Afterglows of Gamma-Ray Bursts: Evidence for Relative Paucity of Detection. 652, 1416 (2006)
- MCGRATH, ELIZABETH. See STOCKTON, ALAN, et al. Extremely Red Objects in Two Quasar Fields at $z \sim 1.4$. 650, 706 (2006)
- MCGREER, IAN D. Discovery of a $z = 6.1$ Radio-Loud Quasar in the NOAO Deep Wide Field Survey. Ian D. McGreer, Robert H. Becker, David J. Helfand, and Richard L. White. 652, 157 (2006)
- MCGREW, C. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- MCINTOSH, DANIEL H. See BELL, ERIC F., et al. Dry Mergers in GEMS: The Dynamical Evolution of Massive Early-Type Galaxies. 640, 241 (2006)
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- See TRUJILLO, IGNACIO, et al. The Size Evolution of Galaxies since $z \sim 3$: Combining SDSS, GEMS, and FIRES. 650, 18 (2006)
- MCINTOSH, GORDON C. Correlation of Mira's SiO Maser Properties. Gordon C. McIntosh. 649, 406 (2006)
- Variations of the $v = 0, 1, 2$, and $3, J = 1-0$ SiO Masers of Mira. Gordon C. McIntosh. 638, L41 (2006)
- MCINTOSH, SCOTT W. See DAVEY, ALISAIR R., et al. Investigating SUMER Coronal Hole Observations: A Robust Method of Raster Reduction. 165, 386 (2006)
- Simple Magnetic Flux Balance as an Indicator of Ne VIII Doppler Velocity Partitioning in an Equatorial Coronal Hole. Scott W. McIntosh, Alisdair R. Davey, and Donald M. Hassler. 644, L87 (2006)
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- See JEFFERIES, STUART M., et al. Magnetoacoustic Portals and the Basal Heating of the Solar Chromosphere. 648, L151 (2006)
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- MCKAY, T. A. See YOST, S. A., et al. Optical Light Curve and Cooling Break of GRB 050502A. 636, 959 (2006)
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- MCKAY, TIMOTHY A. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- MCKEAN, J. P. See FASSNACHT, C. D., et al. Mass along the Line of Sight to the Gravitational Lens B1608+656: Galaxy Groups and Implications for H_0 . 642, 30 (2006)
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- MCKEE, CHRISTOPHER F. See NAKAMURA, FUMITAKA, et al. On the Hydrodynamic Interaction of Shock Waves with Interstellar Clouds. II. The Effect of Smooth Cloud Boundaries on Cloud Destruction and Cloud Turbulence. 164, 477 (2006)
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- MCKEEGAN, KEVIN D. See KROT, ALEXANDER N., et al. Aluminum-

- Magnesium and Oxygen Isotope Study of Relict Ca-Al-rich Inclusions in Chondrules. 639, 1227 (2006)
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- MCKINNON, MARK M. Orientation Angles of a Pulsar's Polarization Vector. *Mark M. McKinnon*. 645, 551 (2006)
- MCLAUGHLIN, DEAN E. *Hubble Space Telescope* Proper Motions and Stellar Dynamics in the Core of the Globular Cluster 47 Tucanae. *Dean E. McLaughlin, Jay Anderson, Georges Meylan, Karl Gebhardt, Carlton Pryor, Dante Minniti, and Sterl Phinney*. 166, 249 (2006)
- The $M-\sigma$ Relation for Nucleated Galaxies. *Dean E. McLaughlin, Andrew R. King, and Sergei Nayakshin*. 650, L37 (2006)
- See JORDÁN, ANDRÉS, et al. Trends in the Globular Cluster Luminosity Function of Early-Type Galaxies. 651, L25 (2006)
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- See MUNO, MICHAEL P., et al. A Neutron Star with a Massive Progenitor in Westerlund 1. 636, L41 (2006)
- McNAMARA, B. R. The Starburst in the Abell 1835 Cluster Central Galaxy: A Case Study of Galaxy Formation Regulated by an Outburst from a Supermassive Black Hole. *B. R. McNamara, D. A. Rafferty, L. Birzan, J. Steiner, M. W. Wise, P. E. J. Nulsen, C. L. Carilli, R. Ryan, and M. Sharma*. 648, 164 (2006)
- See RAFFERTY, D. A., et al. The Feedback-regulated Growth of Black Holes and Bulges through Gas Accretion and Starbursts in Cluster Central Dominant Galaxies. 652, 216 (2006)
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- McSWAIN, M. V. See BOYAJIAN, T. S., et al. The B Supergiant Components of the Double-lined Binary HD 1383, 646, 1209 (2006)
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- McWILLIAM, ANDREW. See FULBRIGHT, JON. P., et al. Abundances of Baade's Window Giants from Keck HIRES Spectra. I. Stellar Parameters and [Fe/H] Values. 636, 821 (2006)
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- See CHURCHWELL, E., et al. The Bubbling Galactic Disk. 649, 759 (2006)
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- MEAKIN, CASEY A. Active Carbon and Oxygen Shell Burning Hydrodynamics. *Casey A. Meakin and David Arnett*. 637, L53 (2006)
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- MEBEL, ALEXANDER M. See JAMIESON, COREY S., et al. Understanding the Kinetics and Dynamics of Radiation-induced Reaction Pathways in Carbon Monoxide Ice at 10 K. 163, 184 (2006)
- See CHENG, BING-MING, et al. Absorption Cross Sections of NH_3 , NH_3D , NHD_2 , and ND_3 in the Spectral Range 140–220 nm and Implications for Planetary Isotopic Fractionation. 647, 1535 (2006)
- MEDIAVILLA, E. See POPOVIĆ, L. Č., et al. A Study of the Correlation between the Amplification of the Fe K α Line and the X-Ray Continuum of Quasars due to Microlensing. 637, 620 (2006)
- See GARCÍA-MARÍN, M., et al. Integral Field Spectroscopy of the Luminous Infrared Galaxy Arp 299 (IC 694 + NGC 3690). 650, 850 (2006)
- A Fast and Very Accurate Approach to the Computation of Microlensing Magnification Patterns Based on Inverse Polygon Mapping. *E. Mediavilla, J. A. Muñoz, P. Lopez, T. Mediavilla, C. Abajas, C. Gonzalez-Morcillo, and R. Gil-Merino*. 653, 942 (2006)
- See GÓMEZ-ÁLVAREZ, P., et al. Recurrence of the Blue Wing Enhancements in the High-Ionization Lines of SDSS 1004+4112A. 645, L5 (2006)
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- MEDVEDEV, IVAN R. See MAEDA, ATSUKO, et al. The Millimeter- and Submillimeter-Wave Spectrum of *Iso*-Propanol [(CH_3) $_2$ CHOH]. 166, 650 (2006)
- MEDVEDEV, MIKHAIL V. The Theory of Spectral Evolution of the Gamma-Ray Burst Prompt Emission. *Mikhail V. Medvedev*. 637, 869 (2006)
- Cluster Magnetic Fields from Large-Scale Structure and Galaxy Cluster Shocks. *Mikhail V. Medvedev, Luis O. Silva, and Marc Kamionkowski*. 642, L1 (2006)
- Electron Acceleration in Relativistic Gamma-Ray Burst Shocks. *Mikhail V. Medvedev*. 651, L9 (2006)
- MEECH, KAREN J. See FELDMAN, PAUL D., et al. Carbon Monoxide in Comet 9P/Tempel 1 before and after the *Deep Impact* Encounter. 647, L61 (2006)
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- See REBULL, L. M., et al. A Correlation between Pre–Main-Sequence Stellar Rotation Rates and IRAC Excesses in Orion. 646, 297 (2006)
- See MARENGO, M., et al. A *Spitzer* IRAC Search for Substellar Companions of the Debris Disk Star ϵ Eridani. 647, 1437 (2006)
- See HUNTER, T. R., et al. Millimeter Multiplicity in NGC 6334 I and I(N). 649, 888 (2006)
- See MORALES-CALDERÓN, M., et al. A Sensitive Search for Variability in Late L Dwarfs: The Quest for Weather. 653, 1454 (2006)
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- Circum(stellar) Disks in IC 348: Grain Growth and Inner Holes? 643, 1003 (2006)
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- See TEIXEIRA, PAULA S., et al. Identifying Primordial Substructure in NGC 2264. 636, L45 (2006)
- MEI, S. See OVERZIER, RODERIK A., et al. Clustering of Star-forming Galaxies Near a Radio Galaxy at $z = 5.2$. 637, 58 (2006)
- Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Blue Early-Type Galaxies and Red Pairs in RDCS J0910+5422. S. Mei, J. P. Blakeslee, S. A. Stanford, B. P. Holden, P. Rosati, V. Strazzullo, N. Homeier, M. Postman, M. Franx, A. Rettura, H. Ford, G. D. Illingworth, S. Ettori, R. J. Bouwens, R. Demarco, A. R. Martel, M. Clampin, G. F. Hartig, P. Eisenhardt, D. R. Ardila, F. Bartko, N. Benítez, L. D. Bradley, T. J. Broadhurst, R. A. Brown, C. J. Burrows, E. S. Cheng, N. J. G. Cross, P. D. Feldman, D. A. Golimowski, T. Goto, C. Gronwall, L. Infante, R. A. Kimble, J. E. Krist, M. P. Lesser, F. Menanteau, G. R. Meurer, G. K. Miley, V. Motta, M. Sirianni, W. B. Sparks, H. D. Tran, Z. I. Tsvetanov, R. L. White, and W. Zheng. 639, 81 (2006)
- See ZHENG, W., et al. An Overdensity of Galaxies near the Most Distant Radio-loud Quasar. 640, 574 (2006)
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- See BLAKESLEE, JOHN P., et al. Clusters at Half Hubble Time: Galaxy Structure and Colors in RX J0152.7-1357 and MS 1054-03. 644, 30 (2006)
- See HOMEIER, N. L., et al. The Formation Epoch of Early-Type Galaxies in the $z \sim 0.9$ Cl 1604 Supercluster. 647, 256 (2006)
- MEI, SIMONA. See FERRARESE, LAURA, et al. The ACS Virgo Cluster Survey. VI. Isophotal Analysis and the Structure of Early-Type Galaxies. 164, 334 (2006)
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- See PENG, ERIC W., et al. The ACS Virgo Cluster Survey. XI. The Nature of Diffuse Star Clusters in Early-Type Galaxies. 639, 838 (2006)
- Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Early-Type Galaxies in the Lynx Supercluster at $z \sim 1.26$. Simona Mei, Brad P. Holden, John P. Blakeslee, Piero Rosati, Marc Postman, Myungkook J. Jee, Alessandro Rettura, Marco Sirianni, Ricardo Demarco, Holland C. Ford, Marijn Franx, Nicole Homeier, and Garth D. Illingworth. 644, 759 (2006)
- See MIESKE, STEFFEN, et al. The ACS Virgo Cluster Survey. XIV. Analysis of Color-Magnitude Relations in Globular Cluster Systems. 653, 193 (2006)
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- MEIBOM, SØREN. An Observational Study of Tidal Synchronization in Solar-Type Binary Stars in the Open Clusters M35 and M34. Søren Meibom, Robert D. Mathieu, and Keivan G. Stassun. 653, 621 (2006)
- MEIJERINK, R. Irradiated ISM: Discriminating between Cosmic Rays and X-Rays. R. Meijerink, M. Spaans, and F. P. Israel. 650, L103 (2006)
- MEIKLE, PETER. See KOTAK, RUBINA, et al. *Spitzer* Measurements of Atomic and Molecular Abundances in the Type IIP SN 2005af. 651, L117 (2006)
- MEIKLE, W. P. S. A *Spitzer Space Telescope* Study of SN 2002bh: An Infrared Echo from a Type IIP Supernova. W. P. S. Meikle, S. Matilla, C. L. Gerardy, R. Kotak, M. Pozzo, S. D. van Dyk, D. Farrah, R. A. Fesen, A. V. Filippenko, C. Fransson, P. Lundqvist, J. Sollerman, and J. C. Wheeler. 649, 332 (2006)
- MEIKSIN, AVERY. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- MEIRING, JOSEPH. See KULKARNI, VARSHA P., et al. A Fabry-Pérot Imaging Search for Ly α Emission in Quasar Absorbers at $z \sim 2.4$. 636, 30 (2006)
- MEISENHEIMER, K. See MAIER, C., et al. Oxygen Gas Abundances at $z \sim 1.4$: Implications for the Chemical Evolution History of Galaxies. 639, 858 (2006)
- See HÄRING-NEUMAYER, N., et al. VLT Diffraction-limited Imaging and Spectroscopy in the NIR: Weighing the Black Hole in Centaurus A with NACO. 643, 226 (2006)
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- MEISENHEIMER, KLAUS. See BELL, ERIC F., et al. Dry Mergers in GEMS: The Dynamical Evolution of Massive Early-Type Galaxies. 640, 241 (2006)
- See BARAZZA, FABIO D., et al. Color, Structure, and Star Formation History of Dwarf Galaxies over the Last ~ 3 Gyr with GEMS and SDSS. 643, 162 (2006)
- See JESTER, SEBASTIAN, et al. New *Chandra* Observations of the Jet in 3C 273. I. Softer X-Ray than Radio Spectra and the X-Ray Emission Mechanism. 648, 900 (2006)
- See BELL, ERIC F., et al. The Merger Rate of Massive Galaxies. 652, 270 (2006)
- MEIXNER, M. See FONG, D., et al. Evolution of the Circumstellar Molecular Envelope. I. A BIMA CO Survey of Evolved Stars. 652, 1626 (2006)
- See NOTA, A., et al. Discovery of a Population of Pre-Main-Sequence Stars in NGC 346 from Deep *Hubble Space Telescope* ACS Images. 640, L29 (2006)
- See UETA, T., et al. Detection of a Far-Infrared Bow Shock Nebula around R Hya: The First MIRIAD Results. 648, L39 (2006)
- MEIXNER, MARGARET. See UETA, TOSHIYA, et al. Proper-Motion Measurements of the Cygnus Egg Nebula. 641, 1113 (2006)
- See SPECK, ANGELA K., et al. The Unusual *Spitzer* Spectrum of the Carbon Star IRAS 04496-6958: A Different Condensation Sequence in the LMC? 650, 892 (2006)
- MEJÍA, ANNIE C. See BOLEY, AARON C., et al. The Thermal Regulation of Gravitational Instabilities in Protoplanetary Disks. III. Simulations with Radiative Cooling and Realistic Opacities. 651, 517 (2006)
- See CAI, KAI, et al. The Effects of Metallicity and Grain Size on Gravitational Instabilities in Protoplanetary Disks. 636, L149 (2006)
- See CAI, KAI, et al. Erratum: "The Effects of Metallicity and Grain Size on Gravitational Instabilities in Protoplanetary Disks" (ApJ 636, L149 [2006]). 642, L173 (2006)
- MELANDRI, A. See MONFARDINI, A., et al. High-Quality Early-Time Light Curves of GRB 060206: Implications for Gamma-Ray Burst Environments and Energetics. 648, 1125 (2006)
- See DELLA VALLE, M., et al. Hypervnova Signatures in the Late Rebrightening of GRB 050525A. 642, L103 (2006)
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- See PAYNE, D. J. B., et al. Magnetic Burial and the Harmonic Content of Millisecond Oscillations in Thermonuclear X-Ray Bursts. 652, 597 (2006)
- See PERALTA, C., et al. Gravitational Radiation from Nonaxisymmetric Spherical Couette Flow in a Neutron Star. 644, L53 (2006)
- MELBOURNE, J. See NOESKE, K. G., et al. Luminous Compact Blue Galaxies up to $z \sim 1$ in the *Hubble Space Telescope* Ultra Deep Field. I. Small Galaxies or Blue Centers of Massive Disks? 640, L143 (2006)
- MELBOURNE, JASON. See WEINER, BENJAMIN J., et al. A Survey of Galaxy Kinematics to $z \sim 1$ in the TKRS/GOODS-N Field. I. Rotation and Dispersion Properties. 653, 1027 (2006)
- See WEINER, BENJAMIN J., et al. A Survey of Galaxy Kinematics to $z \sim 1$ in the TKRS/GOODS-N Field. II. Evolution in the Tully-Fisher Relation. 653, 1049 (2006)
- MELCHIORRI, A. See MACTAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
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- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
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- MELÉNDEZ, JORGE. Permitted Oxygen Abundances and the Temperature Scale

- of Metal-poor Turnoff Stars. *Jorge Meléndez, Nataliya G. Shchukina, Irina E. Vasiljeva, and Iván Ramírez*. 642, 1082 (2006)
- HD 98618: A Star Closely Resembling Our Sun. *Jorge Meléndez, Katie Dodds-Eden, and José A. Robles*. 641, L133 (2006)
- MELIA, F. See BÉLANGER, G., et al. A Persistent High-Energy Flux from the Heart of the Milky Way: *INTEGRAL*'s View of the Galactic Center. 636, 275 (2006)
- MELIA, FULVIO. See LIU, SIMING, et al. Stochastic Electron Acceleration During the Near-Infrared and X-Ray Flares in Sagittarius A*. 636, 798 (2006)
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- See FRYER, CHRISTOPHER L., et al. The Sgr B2 X-Ray Echo of the Galactic Center Supernova Explosion that Produced Sgr A East. 638, 786 (2006)
- See LIU, SIMING, et al. Stochastic Acceleration in the Galactic Center HESS Source. 647, 1099 (2006)
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- See TAGGER, MICHEL, et al. A Possible Rossby Wave Instability Origin for the Flares in Sagittarius A*. 636, L33 (2006)
- See FATUZZO, MARCO, et al. Enhanced Cosmic-Ray Flux and Ionization for Star Formation in Molecular Clouds Interacting with Supernova Remnants. 653, L49 (2006)
- MELIKIDZE, GEORGE. See GIL, JANUSZ, et al. Formation of a Partially Screened Inner Acceleration Region in Radio Pulsars: Drifting Subpulses and Thermal X-Ray Emission from Polar Cap Surface. 650, 1048 (2006)
- MELLEMA, GARRETT. Dynamical H II Region Evolution in Turbulent Molecular Clouds. *Garrett Mellema, S. Jane Arthur, William J. Henney, Ilian T. Iliev, and Paul R. Shapiro*. 647, 397 (2006)
- MELLIER, Y. See BRODWIN, M., et al. The Canada-France Deep Fields Survey. III. Photometric Redshift Distribution to $I_{AB} = 24$. 162, 20 (2006)
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- MELROSE, D. B. Depolarization of Radio Bursts Due to Reflection off Sharp Boundaries in the Solar Corona. *D. B. Melrose*. 637, 1113 (2006)
- Scintillation of Radio Sources: The Role of Caustics. *D. B. Melrose and P. G. Watson*. 647, 1131 (2006)
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- MENANTEAU, F. See OVERZIER, RODERIK A., et al. Clustering of Star-forming Galaxies Near a Radio Galaxy at $z = 5.2$. 637, 58 (2006)
- See MEI, S., et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Blue Early-Type Galaxies and Red Pairs in RDCS J0910+5422. 639, 81 (2006)
- See ZHENG, W., et al. An Overdensity of Galaxies near the Most Distant Radio-loud Quasar. 640, 574 (2006)
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- See HOMEIER, N. L., et al. The Formation Epoch of Early-Type Galaxies in the $z \sim 0.9$ Cl 1604 Supercluster. 647, 256 (2006)
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- See BOWEN, DAVID V., et al. QSO Absorption Lines from QSOs. 645, L105 (2006)
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- MENCI, N. The Abundance of Distant and Extremely Red Galaxies: The Role of AGN Feedback in Hierarchical Models. *N. Menci, A. Fontana, E. Giallongo, A. Grazian, and S. Salimbeni*. 647, 753 (2006)
- MENDEL, J. T. Testing Rotational Mixing Predictions with New Boron Abundances in Main-Sequence B-Type Stars. *J. T. Mendel, K. A. Venn, C. R. Proffitt, A. M. Brooks, and D. L. Lambert*. 640, 1039 (2006)
- MÉNDEZ, L. See BARRAGÁN, P., et al. Calculation of Rate Coefficients for Electron Capture in Collisions of O²⁺ and N²⁺ Ions with H. 636, 544 (2006)
- MÉNDEZ, M. See PEARSON, K. J., et al. Multiwavelength Observations of EXO 0748-676. II. Emission-Line Behavior. 648, 1169 (2006)
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- MÉNDEZ, RENÉ. See GAWISER, ERIC, et al. The Multiwavelength Survey by Yale-Chile (MUSYC): Survey Design and Deep Public *UBVRiz* Images and Catalogs of the Extended Hubble Deep Field-South. 162, 1 (2006)
- MÉNDEZ, RENÉ A. See DUFFAU, SONIA, et al. Spectroscopy of QUEST RR Lyrae Variables: The New Virgo Stellar Stream. 636, L97 (2006)
- MENDOZA-BRICEÑO, CÉSAR A. Intermittent Coronal Loop Oscillations by Random Energy Releases. *César A. Mendoza-Briceño and Robert Erdélyi*. 648, 722 (2006)
- MENEGHETTI, MASSIMO. See COMERFORD, JULIA M., et al. Mass Distributions of Hubble Space Telescope Galaxy Clusters from Gravitational Arcs. 642, 39 (2006)
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- MENNELLA, V. Synthesis of CO and CO₂ Molecules by UV Irradiation of Water Ice-covered Hydrogenated Carbon Grains. *V. Mennella, G. A. Baratta, M. E. Palumbo, and E. A. Bergin*. 643, 923 (2006)
- Activation Energy of CH Bond Formation in Carbon Grains Irradiated with Hydrogen Atoms. *V. Mennella*. 647, L49 (2006)
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- MENTEN, K. M. See XU, Y., et al. Search for Compact Extragalactic Radio Sources near Massive Star-forming Regions. 166, 526 (2006)
- See HACHISUKA, K., et al. Water Maser Motions in W3(OH) and a Determination of Its Distance. 645, 337 (2006)
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- See AUFDENBERG, J. P., et al. Erratum: "First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star" (ApJ, 645, 664 [2006]). 651, 617 (2006)
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- Function of Galaxies in Groups in the Sloan Digital Sky Survey. 650, 137 (2006)
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- MERENDA, L. Determination of the Magnetic Field Vector via the Hanle and Zeeman Effects in the He I λ 10830 Multiplet: Evidence for Nearly Vertical Magnetic Fields in a Polar Crown Prominence. *L. Merenda, J. Trujillo Bueno, E. Landi Degl'Innocenti, and M. Collados*. 642, 554 (2006)
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- See PENG, ERIC W., et al. The ACS Virgo Cluster Survey. XI. The Nature of Diffuse Star Clusters in Early-Type Galaxies. 639, 838 (2006)
- Dynamical Cusp Regeneration. *David Merritt and Andras Szell*. 648, 890 (2006)
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- MESINGER, ANDREI. The Redshift Distribution of Distant Supernovae and Its Use in Probing Reionization. *Andrei Mesinger, Benjamin D. Johnson, and Zoltán Haiman*. 637, 80 (2006)
- Ultraviolet Radiative Feedback on High-Redshift Protogalaxies. *Andrei Mesinger, Greg L. Bryan, and Zoltán Haiman*. 648, 835 (2006)
- MESSEROTTI, M. See MAGDALENIĆ, J., et al. Classification and Properties of Supershort Solar Radio Bursts. 642, L77 (2006)
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- MÉSZÁROS, P. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
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- See FALCONE, A. D., et al. The Giant X-Ray Flare of GRB 050502B: Evidence for Late-Time Internal Engine Activity. 641, 1010 (2006)
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- See CUSUMANO, GIANCARLO, et al. *Swift* XRT Observations of the Afterglow of GRB 050319. 639, 316 (2006)
- See ZHANG, BING, et al. Physical Processes Shaping Gamma-Ray Burst X-Ray Afterglow Light Curves: Theoretical Implications from the *Swift* X-Ray Telescope Observations. 642, 354 (2006)
- See PE'ER, ASAF, et al. The Observable Effects of a Photospheric Component on GRB and XRF Prompt Emission Spectrum. 642, 995 (2006)
- See GRUPE, DIRK, et al. *Swift* Observations of GRB 050603: An Afterglow with a Steep Late-Time Decay Slope. 645, 464 (2006)
- See RAZZAQUE, SOEBUR, et al. MeV-GeV Emission from Neutron-loaded Short Gamma-Ray Burst Jets. 650, 998 (2006)
- See ROMING, PETER W. A., et al. GRB 060313: A New Paradigm for Short-Hard Bursts? 651, 985 (2006)
- See PE'ER, ASAF, et al. Radiation from an Expanding Cocoon as an Explanation of the Steep Decay Observed in GRB Early Afterglow Light Curves. 652, 482 (2006)
- See RYDE, FELIX, et al. Gamma-Ray Burst Spectral Correlations: Photospheric and Injection Effects. 652, 1400 (2006)
- See ROMING, PETER W. A., et al. Very Early Optical Afterglows of Gamma-Ray Bursts: Evidence for Relative Paucity of Detection. 652, 1416 (2006)
- See GRUPE, DIRK, et al. Jet Breaks in Short Gamma-Ray Bursts. I. The Uncollimated Afterglow of GRB 050724. 653, 462 (2006)
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- See WANG, XIANG-YU, et al. GeV-TeV and X-Ray Flares from Gamma-Ray Bursts. 641, L89 (2006)
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- METCHEV, STANIMIR A. HD 203030B: An Unusually Cool Young Substellar Companion near the L/T Transition. *Stanimir A. Metchev and Lynne A. Hillenbrand*. 651, 1166 (2006)
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- See WEINER, BENJAMIN J., et al. A Survey of Galaxy Kinematics to $z \sim 1$ in the TKRS/GOODS-N Field. II. Evolution in the Tully-Fisher Relation. 653, 1049 (2006)
- METEVIER, ANNE J. The Tully-Fisher Relation in Cluster Cl 0024+1654 at $z = 0.4$. *Anne J. Metevier, David C. Koo, Luc Simard, and Andrew C. Phillips*. 643, 764 (2006)
- METZROTH, KYLE G. The Mass of the Central Black Hole in the Seyfert Galaxy NGC 4151. *Kyle G. Metzroth, Christopher A. Onken, and Bradley M. Peterson*. 647, 901 (2006)
- MEUCCI, M. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
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- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
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- MEURER, G. R. See SCHMITT, H. R., et al. Multiwavelength Star Formation Indicators: Observations. 164, 52 (2006)
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- See ZHENG, W., et al. An Overdensity of Galaxies near the Most Distant Radio-loud Quasar. 640, 574 (2006)
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- See BLAKESLEE, JOHN P., et al. Clusters at Half Hubble Time: Galaxy Structure and Colors in RX J0152.7–1357 and MS 1054–03. 644, 30 (2006)
- See HANISH, D. J., et al. The Survey for Ionization in Neutral Gas Galaxies. II. The Star Formation Rate Density of the Local Universe. 649, 150 (2006)
- MEURER, GERHARDT R. The Survey for Ionization in Neutral Gas Galaxies. I. Description and Initial Results. *Gerhardt R. Meurer, D. J. Hanish, H. C. Ferguson, P. M. Knezek, V. A. Kilborn, M. E. Putman, R. C. Smith, B. Koribalski, M. Meyer, M. S. Oey, E. V. Ryan-Weber, M. A. Zwaan, T. M. Heckman, R. C. Kennicutt, Jr., J. C. Lee, R. L. Webster, J. Bland-Hawthorn, M. A. Dopita, K. C. Freeman, M. T. Doyle, M. J. Drinkwater, L. Staveley-Smith, and J. Werk.* 165, 307 (2006)
- MEWALDT, R. A. See TYLKA, A. J., et al. A Comparative Study of Ion Characteristics in the Large Gradual Solar Energetic Particle Events of 2002 April 21 and 2002 August 24. 164, 536 (2006)
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- A Cold Nearby Cloud inside the Local Bubble. *David M. Meyer, J. T. Lauroesch, Carl Heiles, J. E. G. Peek, and Kyle Engelhorn.* 650, L67 (2006)
- MEYER, M. See MEURER, GERHARDT R., et al. The Survey for Ionization in Neutral Gas Galaxies. I. Description and Initial Results. 165, 307 (2006)
- See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
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- See ROUSSEL, H., et al. The Opaque Nascent Starburst in NGC 1377: *Spitzer SINGS* Observations. 646, 841 (2006)
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- MEYER, M. R. See SILVERSTONE, M. D., et al. Formation and Evolution of Planetary Systems (FEPS): Primordial Warm Dust Evolution from 3 to 30 Myr around Sun-like Stars. 639, 1138 (2006)
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- See CAI, KAI, et al. Erratum: “The Effects of Metallicity and Grain Size on Gravitational Instabilities in Protoplanetary Disks” (*ApJ* 636, L149 [2006]). 642, L173 (2006)
- MICHALEC, A. See ZIĘBA, S., et al. Harmonic Analysis of Time Variations Observed in the Solar Radio Flux Measured at 810 MHz from 1957 to 2004. 653, 1517 (2006)
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- MICHALOWSKI, M. J. See CASTRO CERÓN, J. M., et al. Star Formation Rates and Stellar Masses in $z \sim 1$ Gamma-Ray Burst Hosts. 653, L85 (2006)
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- MICHIKOSHI, SHUGO. A Two-Fluid Analysis of the Kelvin-Helmholtz Instability in the Dusty Layer of a Protoplanetary Disk: A Possible Path toward Planetesimal Formation through Gravitational Instability. *Shugo Michikoshi and Shu-ichiro Inutsuka.* 641, 1131 (2006)
- MIDDLEDITCH, J. Predicting the Starquakes in PSR J0537–6910. *J. Middleitch, F. E. Marshall, Q. D. Wang, E. V. Gotthelf, and W. Zhang.* 652, 1531 (2006)
- MIERKIEWICZ, E. J. Detection of Diffuse Interstellar [O II] Emission from the Milky Way Using Spatial Heterodyne Spectroscopy. *E. J. Mierkiewicz, R. J. Reynolds, F. L. Roesler, J. M. Harlander, and K. P. Jaehnig.* 650, L63 (2006)
- MIESCH, MARK S. Solar Differential Rotation Influenced by Latitudinal Entropy Variations in the Tachocline. *Mark S. Miesch, Allan Sacha Brun, and Juri Toomre.* 641, 618 (2006)
- See BROWNING, MATTHEW K., et al. Dynamo Action in the Solar Convection Zone and Tachocline: Pumping and Organization of Toroidal Fields. 648, L157 (2006)

- MIESKE, STEFFEN. The ACS Virgo Cluster Survey. XIV. Analysis of Color-Magnitude Relations in Globular Cluster Systems. *Steffen Mieske, André Jordán, Patrick Côté, Markus Kissler-Patig, Eric W. Peng, Laura Ferrarese, John P. Blakeslee, Simona Mei, David Merritt, John L. Tonry, and Michael J. West.* 653, 193 (2006)
- MIFFLIN, C. See AHARIMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- MIGLIARI, S. *Spitzer* Reveals Infrared Optically Thin Synchrotron Emission from the Compact Jet of the Neutron Star X-Ray Binary 4U 0614+091. *S. Migliari, J. A. Tomsick, T. J. Maccarone, E. Gallo, R. P. Fender, G. Nelemans, and D. M. Russell.* 643, L41 (2006)
- MIGNANI, ROBERTO. See BECKER, WERNER, et al. A Multiwavelength Study of the Pulsar PSR B1929+10 and Its X-Ray Trail. 645, 1421 (2006)
- MIGNOLI, M. See DANNERBAUER, H., et al. MAMBO 1.2 mm Observations of *BzK*-selected Star-forming Galaxies at $z \sim 2$. 637, L5 (2006)
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See TERADA, Y., et al. Cyclotron Resonance Energies at a Low X-Ray Luminosity: A0535+262 Observed with *Suzaku*. 648, L139 (2006)
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- MIKLES, VALERIE J. Does Low-Frequency X-Ray QPO Behavior in GRS 1915+105 Influence Subsequent X-Ray and Infrared Evolution? *Valerie J. Mikles, Stephen S. Eikenberry, and David M. Rothstein.* 637, 978 (2006)
Identification of the Infrared Counterpart to a Newly Discovered X-Ray Source in the Galactic Center. *Valerie J. Mikles, Stephen S. Eikenberry, Michael P. Muno, Reba M. Bandyopadhyay, and Shannon Patel.* 651, 408 (2006)
- MIKNATIS, K. K. S. See AHARIMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- MIKÓCZI, BALÁZS. See GERGELY, LÁSZLÓ Á., et al. An Efficient Method for the Evaluation of Secular Effects in the Perturbed Keplerian Motion. 167, 286 (2006)
- MILAM, STEFANIE N. Formaldehyde in Comets C/1995 O1 (Hale-Bopp), C/2002 T7 (LINEAR), and C/2001 Q4 (NEAT): Investigating the Cometary Origin of H₂CO. *Stefanie N. Milam, Anthony J. Remijan, Maria Womack, Leif Abrell, L. M. Ziurys, Susan Wyckoff, A. J. Apponi, D. N. Friedel, L. E. Snyder, J. M. Veal, Patrick Palmer, L. M. Woodney, Michael F. A'Hearn, J. R. Forster, M. C. H. Wright, I. de Pater, S. Choi, and M. Gersmundo.* 649, 1169 (2006)
- MILEY, G. K. See OVERZIER, RODERIK A., et al. Clustering of Star-forming Galaxies Near a Radio Galaxy at $z = 5.2$. 637, 58 (2006)
See MEI, S., et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Blue Early-Type Galaxies and Red Pairs in RDCS J0910+5422. 639, 81 (2006)
See ZHENG, W., et al. An Overdensity of Galaxies near the Most Distant Radio-loud Quasar. 640, 574 (2006)
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See TREMBLAY, GRANT R., et al. The Warped Nuclear Disk of Radio Galaxy 3C 449. 643, 101 (2006)
The Spiderweb Galaxy: A Forming Massive Cluster Galaxy at $z \sim 2$. *George K. Miley, Roderik A. Overzier, Andrew W. Zirm, Holland C. Ford, Jaron Kurk, Laura Pentericci, John P. Blakeslee, Marijn Franx, Garth D. Illingworth, Marc Postman, Piero Rosati, Huub J. A. Röttgering, Bram P. Venemans, and Eveline Helder.* 650, L29 (2006)
- MILLAN-GABET, R. Keck Interferometer Observations of FU Orionis Objects. *R. Millan-Gabet, J. D. Monnier, R. L. Akeson, L. Hartmann, J.-P. Berger, A. Tannirkulam, S. Melnikov, R. Billmeier, N. Calvet, P. D'Alessio, L. A. Hillenbrand, M. Kuchner, W. A. Traub, P. G. Tuthill, C. Beichman, A. Boden, A. Booth, M. Colavita, M. Creech-Eakman, J. Gathright, M. Hrynevych, C. Koresko, D. Le Mignant, R. Ligon, B. Mennesson, C. Neyman, A. Sargent, M. Shao, M. Swain, R. Thompson, S. Unwin, G. van Belle, G. Vasisht, and P. Wizinowich.* 641, 547 (2006)
See MONNIER, J. D., et al. Few Skewed Disks Found in First Closure-Phase Survey of Herbig Ae/Be Stars. 647, 444 (2006)
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Bright Localized Near-Infrared Emission at 1–4 AU in the AB Aurigae Disk Revealed by IOTA Closure Phases. *R. Millan-Gabet, J. D. Monnier, J.-P. Berger, W. A. Traub, F. P. Schloerb, E. Pedretti, M. Benisty, N. P. Carleton, P. Huguenaier, P. Kern, P. Labeyrie, M. G. Lacasse, F. Malbet, K. Perraut, M. Pearlman, and N. Thureau.* 645, L77 (2006)
See MONNIER, J. D., et al. No Expanding Fireball: Resolving the Recurrent Nova RS Ophiuchi with Infrared Interferometry. 647, L127 (2006)
- MILLAR, TOM J. See KIM, SANG-JOON, et al. A Molecular Line Survey of W3(OH) and W3 IRS 5 from 84.7 to 115.6 GHz: Observational Data and Analyses. 162, 161 (2006)
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- MILLER, C. J. See FREEMAN, P. E., et al. Examining the Effect of the Mapping Algorithm on Observed Power Asymmetry in WMAP Data. 638, 1 (2006)
- MILLER, CHRISTOPHER J. See BERLIND, ANDREAS A., et al. Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. 167, 1 (2006)
See MILOSAVLJEVIĆ, MILOŠ, et al. Cluster Merger Variance and the Luminosity Gap Statistic. 637, L9 (2006)
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- MILLER, J. M. Simultaneous *Chandra* and *RXTE* Spectroscopy of the Microquasar H1743–322: Clues to Disk Wind and Jet Formation from a Variable Ionized Outflow. *J. M. Miller, J. Raymond, J. Homan, A. C. Fabian, D. Steeghs, R. Wijnands, M. Rupen, P. Charles, M. van der Klis, and W. H. G. Lewin.* 646, 394 (2006)
A Long, Hard Look at the Low/Hard State in Accreting Black Holes. *J. M. Miller, J. Homan, D. Steeghs, M. Rupen, R. W. Hunstead, R. Wijnands, P. A. Charles, and A. C. Fabian.* 653, 525 (2006)
A Prominent Accretion Disk in the Low-Hard State of the Black Hole Candidate SWIFT J1753.5–0127. *J. M. Miller, J. Homan, and G. Miniutti.* 652, L113 (2006)
- MILLER, JON M. See SCHNITTMAN, JEREMY D., et al. A Precessing Ring Model for Low-Frequency Quasi-periodic Oscillations. 642, 420 (2006)
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- MILLER, M. COLEMAN. See GÜLTEKIN, KAYHAN, et al. Three-Body Dynamics with Gravitational Wave Emission. 640, 156 (2006)
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- MILLIARD, BRUNO. See XU, C. KEVIN, et al. Ultraviolet and Far-Infrared–selected Star-forming Galaxies at $z = 0$: Differences and Overlaps. 646, 834 (2006)
- MILLIGAN, RYAN O. *RHESSI* and *SOHO* CDS Observations of Explosive Chromospheric Evaporation. *Ryan O. Milligan, Peter T. Gallagher, Mihalis Mathioudakis, D. Shaun Bloomfield, Francis P. Keenan, and Richard A. Schwartz*. 638, L117 (2006)
Observational Evidence of Gentle Chromospheric Evaporation during the Impulsive Phase of a Solar Flare. *Ryan O. Milligan, Peter T. Gallagher, Mihalis Mathioudakis, and Francis P. Keenan*. 642, L169 (2006)
- MILNE, P. See IMMLER, S., et al. X-Ray Observations of Type Ia Supernovae with *Swift*: Evidence of Circumstellar Interaction for SN 2005ke. 648, L119 (2006)
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See COTÉ, PATRICK, et al. The ACS Virgo Cluster Survey. VIII. The Nuclei of Early-Type Galaxies. 165, 57 (2006)
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Weibel Filament Decay and Thermalization in Collisionless Shocks and Gamma-Ray Burst Afterglows. *Miloš Milosavljević and Ehud Nakar*. 641, 978 (2006)
The Cosmic-Ray Precursor of Relativistic Collisionless Shocks: A Missing Link in Gamma-Ray Burst Afterglows. *Miloš Milosavljević and Ehud Nakar*. 651, 979 (2006)
Contribution of Stellar Tidal Disruptions to the X-Ray Luminosity Function of Active Galaxies. *Miloš Milosavljević, David Merritt, and Luis C. Ho*. 652, 120 (2006)
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- MILUTINOVIĆ, NIKOLA. The Nature of Weak Mg II Absorbing Structures. *Nikola Milutinović, Jane R. Rigby, Joseph R. Masiero, Ryan S. Lynch, Chris Palma, and Jane C. Charlton*. 641, 190 (2006)
- MILVANG-JENSEN, B. See PEDERSEN, K., et al. Multiwavelength Studies of the Optically Dark Gamma-Ray Burst 001025A. 636, 381 (2006)
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- MIOCCHI, P. Merging of Globular Clusters in Inner Galactic Regions. I. Do They Survive the Tidal Interaction? *P. Miocchi, R. Capuzzo Dolcetta, P. Di Matteo, and A. Vicari*, 644, 940 (2006)
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- GRB 060218/SN 2006aj: A Gamma-Ray Burst and Prompt Supernova at $z = 0.0335$. *N. Mirabal, J. P. Halpern, D. An, J. R. Thorstensen, and D. M. Terndrup*, 643, L99 (2006)
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- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- MISRA, R. The Nonlinear Behavior of the Black Hole System GRS 1915+105. *R. Misra, K. P. Harikrishnan, G. Ambika, and A. K. Kembhavi*, 643, 1114 (2006)
- See AGRAWAL, V. K., et al. The Unusual Spectrum of the Ultraluminous X-Ray Source M82 X-1. 638, L83 (2006)
- MISSLIT, K. See BUCKALEW, BRENT A., et al. Understanding Radio-selected Thermal Sources in M33: Ultraviolet, Optical, Near-Infrared, *Spitzer* Mid-Infrared, and Radio Observations. 162, 329 (2006)
- See HINZ, J. L., et al. Extended Emission by Dust in the Dwarf Galaxy UGC 10445. 651, 874 (2006)
- MISSLIT, K. A. See SHAFER, A. W., et al. Modeling Eclipses in the Classical Nova V Persei: The Role of the Accretion Disk Rim. 644, 1104 (2006)
- See MARLEAU, F. R., et al. Mapping and Mass Measurement of the Cold Dust in NGC 205 with *Spitzer*. 646, 929 (2006)
- See EGAMI, E., et al. *Spitzer* Observations of the Brightest Galaxies in X-Ray-Luminous Clusters. 647, 922 (2006)
- See SHAFER, A. W., et al. Erratum: "Modeling Eclipses in the Classical Nova V Persei: The Role of the Accretion Disk Rim" (*ApJ*, 644, 1104 [2006]). 653, 1586 (2006)
- See GORDON, K. D., et al. *Spitzer* MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure. 638, L87 (2006)
- See LI, AIGEN, et al. On the Unusual Depletions toward Sk 155, or What Are the Small Magellanic Cloud Dust Grains Made Of? 640, L151 (2006)
- See BANERJEE, D. P. K., et al. *Spitzer* Observations of V838 Monocerotis: Detection of a Rare Infrared Light Echo. 644, L57 (2006)
- MISSLIT, KARL. See SOFIA, ULYSSES J., et al. Probing the Dust Responsible for Small Magellanic Cloud Extinction. 636, 753 (2006)
- MISSLIT, KARL A. See PÉREZ-GONZÁLEZ, PABLO G., et al. Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031). 648, 987 (2006)
- See PÉREZ-GONZÁLEZ, PABLO G., et al. Erratum: "Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031)" (*ApJ*, 648, 987 [2006]). 653, 812 (2006)
- MITCHELL, DAVID S. See REFFERT, SABINE, et al. Precise Radial Velocities of Giant Stars. II. Pollux and Its Planetary Companion. 652, 661 (2006)
- MITCHELL, GEORGE F. See JOHNSTONE, DOUG, et al. Large Area Mapping at 850 μ m. IV. Analysis of the Clump Distribution in the Orion B South Molecular Cloud. 639, 259 (2006)
- MITROFANOV, I. See HURLEY, K., et al. *Mars Odyssey* Joins the Third Interplanetary Network. 164, 124 (2006)
- MITSUDA, C. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- MITSUDA, K. See VRTILEK, S. D., et al. Erratum: "Observations of Scorpius X-1 with *IUE*: Ultraviolet Results from a Multiwavelength Campaign" (*ApJ*, 376, 278 [1991]). 637, 1148 (2006)
- MITSUDA, KAZUHISA. See OTA, NAOMI, et al. L_X - T Relation and Related Properties of Galaxy Clusters. 640, 673 (2006)
- See OTA, NAOMI, et al. *Chandra* Observations of SDSS J1004+4112: Constraints on the Lensing Cluster and Anomalous X-Ray Flux Ratios of the Quadruply Imaged Quasar. 647, 215 (2006)
- See UEDA, YOSHIHIRO, et al. Erratum: "Study of the Galactic Interstellar Medium from High-Resolution X-Ray Spectroscopy: X-Ray Absorption Fine Structure and Abundances of O, Mg, Si, S, and Fe" (*ApJ*, 620, 274 [2005]). 652, 845 (2006)
- MITSUKA, G. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- MITTAL, JONATHAN P. D. See LIEU, RICHARD, et al. The Sunyaev-Zel'dovich Effect in a Sample of 31 Clusters: A Comparison between the X-Ray Predicted and WMAP Observed Cosmic Microwave Background Temperature Decrement. 648, 176 (2006)
- MITTHUMSIRI, W. See BRYANS, P., et al. Collisional Ionization Equilibrium for Optically Thin Plasmas. I. Updated Recombination Rate Coefficients for Bare through Sodium-like Ions. 167, 343 (2006)
- MIURA, HITOSHI. Shock-Wave Heating Model for Chondrule Formation: Prevention of Isotopic Fractionation. *Hitoshi Miura and Taishi Nakamoto*, 651, 1272 (2006)
- MIURA, M. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- MIVILLE-DESCHÊNES, M.-A. See INGALLS, JAMES G., et al. Erratum: "Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey" (*ApJS*, 154, 281 [2004]). 164, 306 (2006)
- MIYAMOTO, YUKI. See MORISAWA, YUSUKE, et al. Correlation between Nuclear Spin Ratio of Cyclic C₂H₂ and Chemical Evolution in TMC-1 Cores. 642, 954 (2006)
- MIYASHITA, A. See WATANABE, K., et al. Solar Neutron Events of 2003 October–November. 636, 1135 (2006)
- MIYATA, T. See TOKURA, D., et al. Mid-Infrared High Spatial Resolution Observations of NGC 1569: Detection of Embedded Embryos of Star Formation. 648, 355 (2006)
- MIYATA, TAKASHI. See HONDA, MITSUHIKO, et al. Subaru/COMICS Study on Silicate Dust Processing around Young Low-Mass Stars. 646, 1024 (2006)

- See FUJIWARA, HIDEAKI, et al. The Asymmetric Thermal Emission of the Protoplanetary Disk Surrounding HD 142527 Seen by Subaru/COMICS. 644, L133 (2006)
- MIYAZAKI, S. See BARMBY, P., et al. Mid-Infrared Properties of X-Ray Sources in the Extended Groth Strip. 642, 126 (2006)
- See ASHBY, M. L. N., et al. Mid-Infrared Identifications of SCUBA Galaxies in the CUDSS 14 Hour Field with the *Spitzer Space Telescope*. 644, 778 (2006)
- MIYAZAKI, SATOSHI. See KASHIKAWA, NOBUNARI, et al. Clustering of Lyman Break Galaxies at $z = 4$ and 5 in the Subaru Deep Field: Luminosity Dependence of the Correlation Function Slope. 637, 631 (2006)
- See YOSHIDA, MAKIKO, et al. Luminosity Functions of Lyman Break Galaxies at $z \sim 4$ and $z \sim 5$ in the Subaru Deep Field. 653, 988 (2006)
- MIYOSHI, M. See HACHISUKA, K., et al. Water Maser Motions in W3(OH) and a Determination of Its Distance. 645, 337 (2006)
- MIZOBUCHI, S. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- MIZOGUCHI, SAHORI. See HACHISU, IZUMI, et al. The Hydrogen-Burning Turnoff of RS Ophiuchi (2006). 651, L141 (2006)
- MIZUKAMI, T. See ENOMOTO, R., et al. CANGAROO III Observations of the Supernova Remnant RX J0852.0–4622. 652, 1268 (2006)
- MIZUMOTO, Y. See WATANABE, K., et al. Solar Neutron Events of 2003 October–November. 636, 1135 (2006)
- See ENOMOTO, R., et al. A Search for Sub-TeV Gamma Rays from the Vela Pulsar Region with CANGAROO-III. 638, 397 (2006)
- MIZUMOTO, YOSHIHIKO. See KASHIKAWA, NOBUNARI, et al. Clustering of Lyman Break Galaxies at $z = 4$ and 5 in the Subaru Deep Field: Luminosity Dependence of the Correlation Function Slope. 637, 631 (2006)
- See YOSHIDA, MAKIKO, et al. Luminosity Functions of Lyman Break Galaxies at $z \sim 4$ and $z \sim 5$ in the Subaru Deep Field. 653, 988 (2006)
- MIZUNO, R. See ENOMOTO, R., et al. CANGAROO III Observations of the Supernova Remnant RX J0852.0–4622. 652, 1268 (2006)
- MIZUNO, A. See MIZUNO, N., et al. Detection of Molecular Clouds in the Magellanic Bridge: Candidate Star Formation Sites in a Nearby Low-Metallicity System. 643, L107 (2006)
- MIZUNO, N. See YAMAMOTO, H., et al. Large-Scale CO Observations of a Far-Infrared Loop in Pegasus: Detection of a Large Number of Very Small Molecular Clouds Possibly Formed via Shocks. 642, 307 (2006)
- Detection of Molecular Clouds in the Magellanic Bridge: Candidate Star Formation Sites in a Nearby Low-Metallicity System. *N. Mizuno, E. Muller, H. Maeda, A. Kawamura, T. Minamidani, T. Onishi, A. Mizuno, and Y. Fukui*. 643, L107 (2006)
- MIZUNO, TSUNEFUMI. See KAMAE, TUNEYOSHI, et al. Parameterization of γ , e^+ , and Neutrino Spectra Produced by p - p Interaction in Astronomical Environments. 647, 692 (2006)
- MIZUTA, AKIRA. Formation of Pillars at the Boundaries between H II Regions and Molecular Clouds. *Akira Mizuta, Jave O. Kane, Marc W. Pound, Bruce A. Remington, Dmitri D. Ryutov, and Hideaki Takabe*. 647, 1151 (2006)
- See NAGATAKI, SHIGEHITO, et al. Explosive Nucleosynthesis in GRB Jets Accompanied by Hypernovae. 647, 1255 (2006)
- Collimated Jet or Expanding Outflow: Possible Origins of Gamma-Ray Bursts and X-Ray Flashes. *Akira Mizuta, Tatsuya Yamasaki, Shigehito Nagataki, and Shin Mineshige*. 651, 960 (2006)
- MO, H. J. See SHEN, JIAJIAN, et al. An Excursion Set Model of the Cosmic Web: The Abundance of Sheets, Filaments, and Halos. 645, 783 (2006)
- See YANG, XIAOHU, et al. Observational Evidence for an Age Dependence of Halo Bias. 638, L55 (2006)
- MOBASHER, B. See PIRZKAL, N., et al. Morphology and Evolution of Emission-Line Galaxies in the Hubble Ultra Deep Field. 636, 582 (2006)
- See COHEN, S. H., et al. Clues to Active Galactic Nucleus Growth from Optically Variable Objects in the Hubble Ultra Deep Field. 639, 731 (2006)
- See PAPOVICH, C., et al. *Spitzer* Observations of Massive, Red Galaxies at High Redshift. 640, 92 (2006)
- See HORNSCHMEIER, A. E., et al. *Chandra* X-Ray Observations of Galaxies in an Off-Center Region of the Coma Cluster. 643, 144 (2006)
- See BERNIER, D., et al. Evidence for a Supernova Associated with the X-Ray Flash 020903. 643, 284 (2006)
- See FRAYER, D. T., et al. *Spitzer* 70 Micron Source Counts in GOODS-North. 647, L9 (2006)
- MOBASHER, BAHRAM. See AJIKI, MASARU, et al. Narrowband Survey of the GOODS Fields: Search for Ly α Emitters at $z = 5.7$. 638, 596 (2006)
- See LEVAN, ANDREW, et al. Infrared and Optical Observations of GRB 030115 and its Extremely Red Host Galaxy: Implications for Dark Bursts. 647, 471 (2006)
- See RAVINDRANATH, SWARA, et al. The Morphological Diversities among Star-forming Galaxies at High Redshifts in the Great Observatories Origins Deep Survey. 652, 963 (2006)
- MOCHESKA, B. See KOCHANEK, C. S., et al. A Simple Method to Find All Lensed Quasars. 637, L73 (2006)
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- MOCHIZUKI, N. See HIRAOKA, K., et al. Solid-Phase Reactions of D with CN to Form DNC and DCN at Cryogenic Temperatures. 643, 917 (2006)
- MOCHIZUKI, NORITAKA. See WADA, AKIRA, et al. Methanol Formation from Electron-irradiated Mixed H₂O/CH₄ Ice at 10 K. 644, 300 (2006)
- MOCK, JEFF. See STANIMIROVIĆ, SNEŽANA, et al. First Results from the Arecibo Galactic H I Survey: The Disk/Halo Interface Region in the Outer Galaxy. 653, 1210 (2006)
- MODJAZ, M. Early-Time Photometry and Spectroscopy of the Fast Evolving SN 2006aj Associated with GRB 060218. *M. Modjaz, K. Z. Stanek, P. M. Garnavich, P. Berlind, S. Blondin, W. Brown, M. Calkins, P. Challis, A. M. Diamond-Stanic, H. Hao, M. Hicken, R. P. Kirshner, and J. L. Prieto*. 645, L21 (2006)
- MOE, MAXWELL. Do Most Planetary Nebulae Derive from Binaries? I. Population Synthesis Model of the Galactic Planetary Nebula Population Produced by Single Stars and Binaries. *Maxwell Moe and Orsola De Marco*. 650, 916 (2006)
- MOECKEL, NICKOLAS. Stellar Encounters with Massive Star-Disk Systems. *Nickolas Moeckel and John Bally*. 653, 437 (2006)
- MOEHLER, S. See FERRARO, F. R., et al. Discovery of Carbon/Oxygen-depleted Blue Straggler Stars in 47 Tucanae: The Chemical Signature of a Mass Transfer Formation Process. 647, L53 (2006)
- MOFFAT, A. F. J. See AERTS, C., et al. δ Ceti Is Not Monoperiodic: Seismic Modeling of a β Cephei Star from MOST Space-based Photometry. 642, 470 (2006)
- See SAIO, H., et al. MOST Detects g - and p -Modes in the B Supergiant HD 163899 (B2 Ib/II). 650, 1111 (2006)
- See MARCHENKO, S. V., et al. The Origin of Structures in Wolf-Rayet Winds: *FUSE* Observations of WR 135. 639, L75 (2006)
- See AERTS, C., et al. Discovery of the New Slowly Pulsating B Star HD 163830 (B5 II/III) from MOST Space-based Photometry. 642, L165 (2006)
- MOFFAT, ANTHONY F. J. See VILLAR-SBAFFI, A., et al. An Extreme Case of a Misaligned Highly Flattened Wind in the Wolf-Rayet Binary CX Cephei. 640, 995 (2006)
- See ROWE, JASON F., et al. An Upper Limit on the Albedo of HD 209458b: Direct Imaging Photometry with the MOST Satellite. 646, 1241 (2006)
- See CROLL, BRYCE, et al. Differential Rotation of ϵ Eridani Detected by MOST. 648, 607 (2006)
- MOFFAT, J. W. See BROWNSTEIN, J. R., et al. Galaxy Rotation Curves without Nonbaryonic Dark Matter. 636, 721 (2006)
- MOHAN, MAN. See VERMA, NUPUR, et al. New Relativistic Atomic Data for Fe IX. 164, 297 (2006)
- MOHR, JOSEPH J. See O'HARA, TIMOTHY B., et al. Effects of Mergers and Core Structure on the Bulk Properties of Nearby Galaxy Clusters. 639, 64 (2006)
- See ELSTON, RICHARD J., et al. The FLAMINGOS Extragalactic Survey. 639, 816 (2006)
- See LIN, YEN-TING, et al. Evolution of the K -Band Galaxy Cluster Luminosity Function and Scaling Relations. 650, L99 (2006)
- MOLINA, M. See BIRD, A. J., et al. The Second IBIS/ISGR Soft Gamma-Ray Survey Catalog. 636, 765 (2006)

- See SGUERA, V., et al. Unveiling Supergiant Fast X-Ray Transient Sources with *INTEGRAL*. 646, 452 (2006)
- See BASSANI, L., et al. *INTEGRAL* IBIS Extragalactic Survey: Active Galactic Nuclei Selected at 20–100 keV. 636, L65 (2006)
- MOLL, E. See KONDRATKO, P. T., et al. Discovery of Water Maser Emission in Eight AGNs with 70 m Antennas of NASA's Deep Space Network. 638, 100 (2006)
- See KONDRATKO, P. T., et al. Erratum: "Discovery of Water Maser Emission in Eight AGNs with 70 m Antennas of NASA's Deep Space Network" (*ApJ*, 638, 100 [2006]). 649, 561 (2006)
- MÖLLER, P. See PEDERSEN, K., et al. Multiwavelength Studies of the Optically Dark Gamma-Ray Burst 001025A. 636, 381 (2006)
- MOLNAR, SANDOR M. Determining Distances to Clusters of Galaxies Using Resonant X-Ray Emission Lines. *Sandor M. Molnar, Mark Birkinshaw, and Richard F. Mushotzky*. 643, L73 (2006)
- MOLTENI, D. See VITANZA, E., et al. A Simple Model of Radiative Emission in M87. 643, 222 (2006)
- MOMCHEVA, IVELINA. A Spectroscopic Study of the Environments of Gravitational Lens Galaxies. *Ivelina Momcheva, Kurtis Williams, Charles Keeton, and Ann Zabludoff*. 641, 169 (2006)
- See WILLIAMS, KURTIS A., et al. First Results from a Photometric Survey of Strong Gravitational Lens Environments. 646, 85 (2006)
- MOMJIAN, E. Sensitive Very Long Baseline Interferometry Studies of the OH Megamaser Emission from IRAS 17208–0014. *E. Momjian, J. D. Romney, C. L. Carilli, and T. H. Troland*. 653, 1172 (2006)
- MOMOSE, TAKAMASA. See MORISAWA, YUSUKE, et al. Correlation between Nuclear Spin Ratio of Cyclic C₂H₂ and Chemical Evolution in TMC-1 Cores. 642, 954 (2006)
- MONACO, PIERLUIGI. Diffuse Stellar Component in Galaxy Clusters and the Evolution of the Most Massive Galaxies at $z \leq 1$. *Pierluigi Monaco, Giuseppe Murante, Stefano Borgani, and Fabio Fontanot*. 652, L89 (2006)
- MONARD, B. See SHANKLAND, P. D., et al. On the Search for Transits of the Planets Orbiting Gliese 876. 653, 700 (2006)
- MONARD, BERTO. See FISCHER, DEBRA A., et al. The N2K Consortium. III. Short-Period Planets Orbiting HD 149143 and HD 109749. 637, 1094 (2006)
- MONELLI, M. See DEL PRINCIPE, M., et al. A Pulsational Distance to ω Centauri Based on Near-Infrared Period-Luminosity Relations of RR Lyrae Stars. 652, 362 (2006)
- MONFARDINI, A. High-Quality Early-Time Light Curves of GRB 060206: Implications for Gamma-Ray Burst Environments and Energetics. *A. Monfardini, S. Kobayashi, C. Guidorzi, D. Carter, C. G. Mundell, D. F. Berstner, A. Gomboc, A. Melandri, C. J. Mottram, R. J. Smith, and I. A. Steele*. 648, 1125 (2006)
- MONIEZ, M. See ASSEF, R. J., et al. Removing the Microlensing Blending-Parallax Degeneracy Using Source Variability. 649, 954 (2006)
- MONIN, D. See VALYAVIN, G., et al. A Search for Kilogauss Magnetic Fields in White Dwarfs and Hot Subdwarf Stars. 648, 559 (2006)
- MONKMAN, ERIC. Tracing the Dynamical History of the Globular Cluster 47 Tucanae. *Eric Monkman, Alison Sills, Justin Howell, Puragra Guhathakurta, Francesca de Angeli, and Giacomo Beccari*. 650, 195 (2006)
- MONNIER, J. D. See WEINER, J., et al. The Asymmetric Dust Environment of IK Tauri. 636, 1067 (2006)
- See MILLAN-GABET, R., et al. Keck Interferometer Observations of FU Orionis Objects. 641, 547 (2006)
- Few Skewed Disks Found in First Closure-Phase Survey of Herbig Ae/Be Stars. *J. D. Monnier, J.-P. Berger, R. Millan-Gabet, W. A. Traub, F. P. Schloerb, E. Pedretti, M. Benisty, N. P. Carleton, P. Hagenauer, P. Kern, P. Labeyrie, M. G. Lacasse, F. Malbet, K. Perraut, M. Pearlman, and M. Zhao*. 647, 444 (2006)
- See RAGLAND, S., et al. First Surface-resolved Results with the Infrared Optical Telescope Array Imaging Interferometer: Detection of Asymmetries in Asymptotic Giant Branch Stars. 652, 650 (2006)
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- No Expanding Fireball: Resolving the Recurrent Nova RS Ophiuchi with Infrared Interferometry. *J. D. Monnier, R. K. Barry, W. A. Traub, B. F. Lane, R. L. Akeson, S. Ragland, P. A. Schuller, H. Le Coroller, J.-P. Berger, R. Millan-Gabet, E. Pedretti, F. P. Schloerb, C. Koresko, N. P. Carleton, M. G. Lacasse, P. Kern, F. Malbet, K. Perraut, M. J. Kuchner, and M. W. Mutterspaugh*. 647, L127 (2006)
- MONNIER, JOHN D. See LLOYD, JAMES P., et al. Direct Detection of the Brown Dwarf GJ 802B with Adaptive Optics Masking Interferometry. 650, L131 (2006)
- MONNIER-RAGAIGNE, DELPHINE. See ANDERSEN, DAVID R., et al. The Photometric and Kinematic Structure of Face-on Disk Galaxies. I. Sample Definition, H α Integral Field Spectroscopy, and H I Line Widths. 166, 505 (2006)
- MONREAL, B. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- MONREAL-IBERO, A. LINER-like Extended Nebulae in ULIRGs: Shocks Generated by Merger-Induced Flows. *A. Monreal-Ibero, S. Arribas, and L. Colina*. 637, 138 (2006)
- MONTAÑÉS-RODRÍGUEZ, PILAR. Vegetation Signature in the Observed Globally Integrated Spectrum of Earth Considering Simultaneous Cloud Data: Applications for Extrasolar Planets. *Pilar Montañés-Rodríguez, E. Pallé, P. R. Goode, and F. J. Martín-Torres*. 651, 544 (2006)
- MONTEIRO, HEKTOR. Ages of White Dwarf–Red Subdwarf Systems. *Hektor Monteiro, Wei-Chun Jao, Todd Henry, John Subasavage, and Thom Beaulieu*. 638, 446 (2006)
- See SCHWARZ, HUGO E., et al. Three-Dimensional Photoionization Structure and Distances of Planetary Nebulae. III. NGC 6781. 648, 430 (2006)
- MONTERO-CASTAÑO, MARÍA. Hot Molecular Gas in the Nuclear Region of IC 342. *Maria Montero-Castaño, Robeson M. Herrmstein, and Paul T. P. Ho*. 646, 919 (2006)
- MONTERO-DORTA, ANTONIO D. See BETANCORT-RÍO, JUAN E., et al. Understanding the Cosmic Mass Function High-Mass Behavior. 650, L95 (2006)
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- MONTES, D. See LÓPEZ-SANTIAGO, J., et al. The Nearest Young Moving Groups. 643, 1160 (2006)
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- MONTGOMERY, M. H. See MUKADAM, ANJUM S., et al. Ensemble Characteristics of the ZZ Ceti Stars. 640, 956 (2006)
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- MONTROY, T. E. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. *T. E. Montroy, P. A. R. Ade, J. J. Bock, J. R. Bond, J. Borrill, A. Boscaleri, P. Cabella, C. R. Contaldi, B. P. Crill, P. de Bernardis, G. De Gasperis, A. de Oliveira-Costa, G. De Troia, G. di Stefano, E. Hivon, A. H. Jaffe, T. S. Kisner, W. C. Jones, A. E. Lange, S. Masi, P. D. Mauskopf, C. J. MacTavish, A. Melchiorri, P. Natoli, C. B. Netterfield, E. Pascale, F. Piacentini, D. Pogosyan, G. Polenta, S. Prunet, S. Ricciardi, G. Romeo, J. E. Ruhl, P. Santini, M. Tegmark, M. Veneziani, and N. Vittorio*. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- MOON, D.-S. See SODERBERG, A. M., et al. An *HST* Study of the Supernovae Accompanying GRB 040924 and GRB 041006. 636, 391 (2006)
- See CENKO, S. B., et al. Multiwavelength Observations of GRB 050820A: An Exceptionally Energetic Event Followed from Start to Finish. 652, 490 (2006)
- See KAPLAN, D. L., et al. Long-Wavelength Excesses in Two Highly Obscured High-Mass X-Ray Binaries: IGR J16318–4848 and GX 301–2. 649, L107 (2006)
- MOON, DAE-SIK. See KAPLAN, DAVID L., et al. A Near-Infrared Search for Counterparts to Three Pulsars in Young Supernova Remnants. 644, 1056 (2006)
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- MOÓR, A. Nearby Debris Disk Systems with High Fractional Luminosity Reconsidered. *A. Moór, P. Ábrahám, A. Derekas, Cs. Kiss, L. L. Kiss, D. Apai, C. Grady, and Th. Henning*. 644, 525 (2006)

- MOORE, BEN. See DEBATTISTA, VICTOR P., et al. The Secular Evolution of Disk Structural Parameters. 645, 209 (2006)
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- MOORE, DAVID C. See GAWISER, ERIC, et al. The Multiwavelength Survey by Yale-Chile (MUSYC): Survey Design and Deep Public *UBVRiz* Images and Catalogs of the Extended Hubble Deep Field-South. 162, 1 (2006)
- MOORE, JOHN R. See LEIGHLY, KAREN M., et al. Fe II and Mg II in Luminous, Intermediate-Redshift, Narrow-Line Seyfert 1 Galaxies from the Sloan Digital Sky Survey. 644, 748 (2006)
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- See RUDNICK, GREGORY, et al. Measuring the Average Evolution of Luminous Galaxies at $z < 3$: The Rest-Frame Optical Luminosity Density, Spectral Energy Distribution, and Stellar Mass Density. 650, 624 (2006)
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- MORALEJO, A. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
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- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- MORALES, MIGUEL F. See BOWMAN, JUDD D., et al. The Sensitivity of First-Generation Epoch of Reionization Observatories and Their Potential for Differentiating Theoretical Power Spectra. 638, 20 (2006)
- Improving Foreground Subtraction in Statistical Observations of 21 cm Emission from the Epoch of Reionization. *Miguel F. Morales, Judd D. Bowman, and Jacqueline N. Hewitt*. 648, 767 (2006)
- A Technique for Weak Lensing with Velocity Maps: Eliminating Ellipticity Noise in H I Radio Observations. *Miguel F. Morales*. 650, L21 (2006)
- MORALES-CALDERÓN, M. A Sensitive Search for Variability in Late L Dwarfs: The Quest for Weather. *M. Morales-Calderón, J. R. Stauffer, J. Davy Kirkpatrick, S. Carey, C. R. Gelino, D. Barrado y Navascués, L. Rebull, P. Lowrance, M. S. Marley, D. Charbonneau, B. M. Patten, S. T. Megeath, and D. Buzasi*. 653, 1454 (2006)
- MORAN, EDWARD C. See PETERSON, BRADLEY M., et al. Erratum: "Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. I. A Reverberation-based Measurement of the Black Hole Mass" (ApJ, 632, 799 [2005]). 641, 638 (2006)
- See O'NEILL, PAUL M., et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. II. X-Ray and Ultraviolet Continuum Variability. 645, 160 (2006)
- See FLOHIC, HÉLÈNE M. L. G., et al. The Central Engines of 19 LINERS as Viewed by *Chandra*. 647, 140 (2006)
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- MORAN, J. A. See NYSEWANDER, M. C., et al. Early Time Chromatic Variations in the Wind-swept Medium of GRB 021211 and the Faintness of Its Afterglow. 651, 994 (2006)
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- MORAUX, E. See BOUY, H., et al. A *Hubble Space Telescope* Advanced Camera for Surveys Search for Brown Dwarf Binaries in the Pleiades Open Cluster. 637, 1056 (2006)
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- See VAUGHAN, S., et al. *Swift* Observations of the X-Ray-Bright GRB 050315. 638, 920 (2006)
- See VAUGHAN, S., et al. The Dust-scattered X-Ray Halo around *Swift* GRB 050724. 639, 323 (2006)
- See FALCONE, A. D., et al. The Giant X-Ray Flare of GRB 050502B: Evidence for Late-Time Internal Engine Activity. 641, 1010 (2006)
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- MORGAN, CHRISTOPHER W. Microlensing of the Lensed Quasar SDSS 0924+0219. *Christopher W. Morgan, C. S. Kochanek, Nicholas D. Morgan, and Emilio E. Falco*. 647, 874 (2006)
- MORGAN, E. H. See KAARET, P., et al. Discovery of the Millisecond X-Ray Pulsar HETE J1900.1-2455. 638, 963 (2006)
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- MORGAN, NICHOLAS D. See MORGAN, CHRISTOPHER W., et al. Microlensing of the Lensed Quasar SDSS 0924+0219. 647, 874 (2006)
- MORGANTI, RAFFAELLA. See CROFT, STEVE, et al. Minkowski's Object: A Starburst Triggered by a Radio Jet, Revisited. 647, 1040 (2006)
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- MORI, M. See ENOMOTO, R., et al. A Search for Sub-TeV Gamma Rays from the Vela Pulsar Region with CANGAROO-III. 638, 397 (2006)
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- See SU, K. Y. L., et al. Debris Disk Evolution around A Stars. 653, 675 (2006)
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- MORRIS, MARK R. See MUNO, MICHAEL P., et al. A Neutron Star with a Massive Progenitor in Westerlund 1. 636, L41 (2006)
- MORRIS, P. W. See CROWTHER, PAUL A., et al. An Ultraviolet to Mid-Infrared Study of the Physical and Wind Properties of HD 164270 (WC9) and Comparison to BD +30 3639 (WC9). 636, 1033 (2006)
- MORRIS, PATRICK W. Tentative Discovery of a New Supernova Remnant in Cepheus: Unveiling an Elusive Shell in the *Spitzer* Galactic First Look Survey. *Patrick W. Morris, Susan Stolovy, Stefanie Wachter, Alberto Noriega-Crespo, Thomas G. Pannuti, and D. W. Hoard.* 640, L179 (2006)
- MORRISON, GLENN. See POLLETTA, MARIA DEL CARMEN, et al. *Chandra* and *Spitzer* Unveil Heavily Obscured Quasars in the *Chandra*/SWIRE Survey. 642, 673 (2006)
- MORRISON, J. E. See HINES, DEAN C., et al. The Formation and Evolution of Planetary Systems (FEPS): Discovery of an Unusual Debris System Associated with HD 12039. 638, 1070 (2006)
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- Optical Star Formation Rate Indicators. *John Moustakas, Robert C. Kennicutt, Jr., and Christy A. Tremonti*. 642, 775 (2006)
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- See TREU, TOMMASO, et al. The Sloan Lens ACS Survey. II. Stellar Populations and Internal Structure of Early-Type Lens Galaxies. 640, 662 (2006)
- See KOOPMANS, LÉON V. E., et al. The Sloan Lens ACS Survey. III. The Structure and Formation of Early-Type Galaxies and Their Evolution since $z \approx 1$. 649, 599 (2006)
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- See BOLTON, ADAM S., et al. A New Einstein Cross: A Highly Magnified, Intrinsically Faint Ly α Emitter at $z = 2.7$. 646, L45 (2006)
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- MU, BO. See O'DEA, CHRISTOPHER P., et al. *XMM-Newton* Detection of X-Ray Emission from the Compact Steep-Spectrum Radio Galaxy 3C 303.1. 653, 1115 (2006)
- μ FUN COLLABORATION, THE. See DONG, SUBO, et al. Planetary Detection Efficiency of the Magnification 3000 Microlensing Event OGLE-2004-BLG-343. 642, 842 (2006)
- MUANWONG, ORRARIJEE. Evolution of X-Ray Cluster Scaling Relations in Simulations with Radiative Cooling and Nongravitational Heating. *Orrarijee Muanwong, Scott T. Kay, and Peter A. Thomas*. 649, 640 (2006)
- MUCCIARELLI, ALESSIO. Red Giant Stars in the Large Magellanic Cloud Clusters. *Alessio Mucciarelli, Livia Origlia, Francesco R. Ferraro, Claudia Maraston, and Vincenzo Testa*. 646, 939 (2006)
- See FERRARO, FRANCESCO R., et al. On the Iron Content of NGC 1978 in the LMC: A Metal-rich, Chemically Homogeneous Cluster. 645, L33 (2006)
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- MUDRYK, LAWRENCE R. Resonance Overlap Is Responsible for Ejecting Planets in Binary Systems. *Lawrence R. Mudryk and Yanqin Wu*. 639, 423 (2006)
- MUELLER SÁNCHEZ, F. See DAVIES, R. L., et al. The Star-forming Torus and Stellar Dynamical Black Hole Mass in the Seyfert 1 Nucleus of NGC 3227. 646, 754 (2006)
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- MUKADAM, ANJUM S. Ensemble Characteristics of the ZZ Ceti Stars. *Anjum S. Mukadam, M. H. Montgomery, D. E. Winget, S. O. Kepler, and J. C. Clemens*. 640, 956 (2006)
- MUKAI, K. See TERADA, Y., et al. Cyclotron Resonance Energies at a Low X-Ray Luminosity: A0535+262 Observed with *Suzaku*. 648, L139 (2006)
- MUKAI, T. See SAKO, T., et al. Long-lived Solar Neutron Emission in Comparison with Electron-produced Radiation in the 2005 September 7 Solar Flare. 651, L69 (2006)
- MUKHERJEE, PIA. See WANG, YUN, et al. Robust Dark Energy Constraints from Supernovae, Galaxy Clustering, and 3 yr *Wilkinson Microwave Anisotropy Probe* Observations. 650, 1 (2006)
- A Nested Sampling Algorithm for Cosmological Model Selection. *Pia Mukherjee, David Parkinson, and Andrew R. Liddle*. 638, L51 (2006)
- MUKHOPADHYAY, BANIBRATA. See COOPER, RANDALL L., et al. On the Production and Survival of Carbon Fuel for Superbursts on Accreting Neutron Stars: Implications for Mass Donor Evolution. 642, 443 (2006)
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- MULCHAEY, JOHN S. See RICE, MELISSA S., et al. Spatially Resolved Narrow-Line Region Kinematics in Active Galactic Nuclei. 636, 654 (2006)
- See PROCHASKA, JASON X., et al. Probing the Intergalactic Medium–Galaxy Connection toward PKS 0405–123. III. The Galaxy Survey and Correlations with O vi Absorbers. 643, 680 (2006)
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- X-Ray-selected Intermediate-Redshift Groups of Galaxies. *John S. Mulchaey, Lori M. Lubin, Chris Fassnacht, Piero Rosati, and Tesla E. Jeltema*. 646, 133 (2006)
- See FINOGUENOV, ALEXIS, et al. The Two-dimensional *XMM-Newton* Group Survey: $z < 0.012$ Groups. 646, 143 (2006)
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- See JELTEMA, TESLA E., et al. X-Ray Properties of Intermediate-Redshift Groups of Galaxies. 649, 649 (2006)

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- MULLAN, D. J. A Comparative Study of Flaring Loops in Active Stars. *D. J. Mullan, M. Mathioudakis, D. S. Bloomfield, and D. J. Christian*. 164, 173 (2006)
- Winds from OB Stars: A Two-Component Scenario? *D. J. Mullan and W. L. Waldron*. 637, 506 (2006)
- See RIAZ, BASMAH, et al. *Spitzer* Observations of Nearby M Dwarfs. 650, 1133 (2006)
- MÜLLER, A. See SAVIN, D. W., et al. Dielectronic Recombination of Fe XXIII Forming Fe XXII: Laboratory Measurements and Theoretical Calculations. 642, 1275 (2006)
- See SCHMIDT, E. W., et al. Electron-Ion Recombination Measurements Motivated by AGN X-Ray Absorption Features: Fe XIV Forming Fe XIII. 641, L157 (2006)
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- MÜLLER, HANS-REINHARD. Heliospheric Response to Different Possible Interstellar Environments. *Hans-Reinhard Müller, Priscilla C. Frisch, Vladimir Florinski, and Gary P. Zank*. 647, 1491 (2006)
- MULLER, SEBASTIEN. See IONO, DAISUKE, et al. A Detection of [C II] Line Emission in the $z = 4.7$ QSO BR 1202–0725. 645, L97 (2006)
- MULLIS, CHRISTOPHER R. See HENRY, J. PATRICK, et al. The ROSAT North Ecliptic Pole Survey: The X-Ray Catalog. 162, 304 (2006)
- MUMMA, M. J. See DiSANTI, M. A., et al. Detection of Formaldehyde Emission in Comet C/2002 T7 (LINEAR) at Infrared Wavelengths: Line-by-Line Validation of Modeled Fluorescent Intensities. 650, 470 (2006)
- MUMMA, MICHAEL J. See BONEV, BONCHO P., et al. A Comprehensive Study of Infrared OH Prompt Emission in Two Comets. I. Observations and Effective g -Factors. 653, 774 (2006)
- See BONEV, BONCHO P., et al. A Comprehensive Study of Infrared OH Prompt Emission in Two Comets. II. Implications for Unimolecular Dissociation of H₂O. 653, 788 (2006)
- See VILLANUEVA, GERONIMO L., et al. The Volatile Composition of the Split Ecliptic comet 73P/Schwassmann-Wachmann 3: A Comparison of Fragments C and B. 650, L87 (2006)
- MUNDELL, C. G. See MONFARDINI, A., et al. High-Quality Early-Time Light Curves of GRB 060206: Implications for Gamma-Ray Burst Environments and Energetics. 648, 1125 (2006)
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- See JØRGENSEN, JES K., et al. The *Spitzer* c2d Survey of Large, Nearby, Interstellar Clouds. III. Perseus Observed with IRAC. 645, 1246 (2006)
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- MUNO, M. P. A *Chandra* Catalog of X-Ray Sources in the Central 150 pc of the Galaxy. *M. P. Muno, F. E. Bauer, R. M. Bandyopadhyay, and Q. D. Wang*. 165, 173 (2006)
- Isolated, Massive Supergiants near the Galactic Center. *M. P. Muno, G. C. Bower, A. J. Burgasser, F. K. Baganoff, M. R. Morris, and W. N. Brandt*. 638, 183 (2006)
- MUNO, MICHAEL P. See GALLOWAY, DUNCAN K., et al. Eddington-limited X-Ray Bursts as Distance Indicators. II. Possible Compositional Effects in Bursts from 4U 1636–536. 639, 1033 (2006)
- Diffuse, Nonthermal X-Ray Emission from the Galactic Star Cluster Westerlund 1. *Michael P. Muno, Casey Law, J. Simon Clark, Sean M. Dougherty, Richard de Grijs, Simon Portegies Zwart, and Farhad Yusef-Zadeh*. 650, 203 (2006)
- See MIKES, VALERIE J., et al. Identification of the Infrared Counterpart to a Newly Discovered X-Ray Source in the Galactic Center. 651, 408 (2006)
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- Mid-Infrared Emission from Dust around Quiescent Low-Mass X-Ray Binaries. *Michael P. Muno and Jon Mauerhan*. 648, L135 (2006)
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- See MEDAVILLA, E., et al. A Fast and Very Accurate Approach to the Computation of Microlensing Magnification Patterns Based on Inverse Polygon Mapping. 653, 942 (2006)
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- MUÑOZ, RICARDO R. Exploring Halo Substructure with Giant Stars. XI. The Tidal Tails of the Carina Dwarf Spheroidal Galaxy and the Discovery of Magellanic Cloud Stars in the Carina Foreground. *Ricardo R. Muñoz, Steven R. Majewski, Simone Zaggia, William E. Kunkel, Peter M. Frinchaboy, David L. Nidever, Denija Crnojevic, Richard J. Patterson, Jeffrey D. Crane, Kathryn V. Johnston, Sangmo Tony Sohn, Rebecca Bernstein, and Stephen Shectman*. 649, 201 (2006)
- Exploring Halo Substructure with Giant Stars: The Dynamics and Metallicity of the Dwarf Spheroidal in Boötes. *Ricardo R. Muñoz, Jeffrey L. Carlin, Peter M. Frinchaboy, David L. Nidever, Steven R. Majewski, and Richard J. Patterson*. 650, L51 (2006)
- MUÑOZ-DARIAS, T. See ZURITA, C., et al. The 2005 Outburst of the Halo Black Hole X-Ray Transient XTE J1118+480. 644, 432 (2006)
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- MURAI, H. See ENOMOTO, R., et al. A Search for Sub-TeV Gamma Rays from the Vela Pulsar Region with CANGAROO-III. 638, 397 (2006)
- See ENOMOTO, R., et al. CANGAROO III Observations of the Supernova Remnant RX J0852.0–4622. 652, 1268 (2006)
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- MURAKAMI, HIROKATSU. See AWAKI, HISAMITSU, et al. Variability Study of Seyfert 2 Galaxies with *XMM-Newton*. 645, 928 (2006)
- MURAKAMI, HIROSHI. See UEDA, YOSHIHIRO, et al. Erratum: "Study of the Galactic Interstellar Medium from High-Resolution X-Ray Spectroscopy: X-Ray Absorption Fine Structure and Abundances of O, Mg, Si, S, and Fe" (*ApJ*, 620, 274 [2005]). 652, 845 (2006)
- MURAKAWA, KOJI. See NAOI, TAKAHIRO, et al. Near-Infrared Extinction Law in the ρ Ophiuchi and Chamaeleon Dark Clouds. 640, 373 (2006)
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- See SAKO, T., et al. Long-lived Solar Neutron Emission in Comparison with Electron-produced Radiation in the 2005 September 7 Solar Flare. 651, L69 (2006)
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- MURASE, KOHTA. High-Energy Neutrinos and Cosmic Rays from Low-Luminosity Gamma-Ray Bursts? *Kohta Murase, Kunihito Ioka, Shigehiro Nagataki, and Takashi Nakamura*. 651, L5 (2006)
- MURASHIMA, M. *Suzaku* Reveals Helium-burning Products in the X-Ray-emitting Planetary Nebula BD +30 3639. *M. Murashima, M. Kokubun, K. Makishima, J. Kotoku, H. Murakami, K. Matsushita, K. Hayashida, K. Arnaud, K. Hamaguchi, and H. Matsumoto*. 647, L131 (2006)

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- MURPHY, DAVID. See FOLATELLI, GASTÓN, et al. SN 2005bf: A Possible Transition Event between Type Ib/c Supernovae and Gamma-Ray Bursts. 641, 1039 (2006)
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- MURPHY, E. J. An Initial Look at the Far-Infrared–Radio Correlation within Nearby Star-forming Galaxies Using the *Spitzer Space Telescope*. E. J. Murphy, R. Braun, G. Helou, L. Armus, J. D. P. Kenney, K. D. Gordon, G. J. Bendo, D. A. Dale, F. Walter, T. A. Oosterloo, R. C. Kennicutt, Jr., D. Calzetti, J. M. Cannon, B. T. Draine, C. W. Engelbracht, D. J. Hollenbach, T. H. Jarrett, L. J. Kewley, C. Leitherer, A. Li, M. J. Meyer, M. W. Regan, G. H. Rieke, M. J. Rieke, H. Roussel, K. Sheth, J. D. T. Smith, and M. D. Thornley. 638, 157 (2006)
- See DALE, D. A., et al. Mid-Infrared Spectral Diagnostics of Nuclear and Extranuclear Regions in Nearby Galaxies. 646, 161 (2006)
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- The Effect of Star Formation on the Far-Infrared–Radio Correlation within Galaxies. E. J. Murphy, G. Helou, R. Braun, J. D. P. Kenney, L. Armus, D. Calzetti, B. T. Draine, R. C. Kennicutt, Jr., H. Roussel, F. Walter, G. J. Bendo, B. Buckalew, D. A. Dale, C. W. Engelbracht, J. D. T. Smith, and M. D. Thornley. 651, L111 (2006)
- MURPHY, ERIC. See REGAN, MICHAEL W., et al. The Radial Distribution of the Interstellar Medium in Disk Galaxies: Evidence for Secular Evolution. 652, 1112 (2006)
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- See CANNON, JOHN M., et al. Warm Dust and Spatially Variable Polycyclic Aromatic Hydrocarbon Emission in the Dwarf Starburst Galaxy NGC 1705. 647, 293 (2006)
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- See SCHRUEVER, C. J., et al. Gamma Rays and the Evolving, Compact Structures of the 2003 October 28 X17 Flare. 650, 1184 (2006)
- MURRAY, N. See BALLANTYNE, D. R., et al. Connecting Galaxy Evolution, Star Formation, and the Cosmic X-Ray Background. 639, 740 (2006)
- MURRAY, NORMAN. See SCHULER, SIMON C., et al. Oxygen from the $\lambda 7774$ High-Excitation Triplet in Open Cluster Dwarfs: Hyades. 636, 432 (2006)
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- See THOMPSON, TODD A., et al. Magnetic Fields in Starburst Galaxies and the Origin of the FIR-Radio Correlation. 645, 186 (2006)
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- See KRAFT, R. P., et al. The Hot Gas Environment of the Radio Galaxy 3C 388: Quenching the Accumulation of Cool Gas in a Cluster Core by a Nuclear Outburst. 639, 753 (2006)
- See VIKHLININ, A., et al. *Chandra* Sample of Nearby Relaxed Galaxy Clusters: Mass, Gas Fraction, and Mass-Temperature Relation. 640, 691 (2006)
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- MURRAY-CLAY, RUTH A. Brownian Motion in Planetary Migration. Ruth A. Murray-Clay and Eugene I. Chiang. 651, 1194 (2006)
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- MUSALEM, O. See WATANABE, K., et al. Solar Neutron Events of 2003 October–November. 636, 1135 (2006)
- See SAKO, T., et al. Long-lived Solar Neutron Emission in Comparison with Electron-produced Radiation in the 2005 September 7 Solar Flare. 651, L69 (2006)
- MUSHOTZKY, R. F. See KRAEMER, S. B., et al. Simultaneous Ultraviolet and X-Ray Observations of the Seyfert Galaxy NGC 4151. II. Physical Conditions in the UV Absorbers. 167, 161 (2006)
- See BAUMGARTNER, W. H., et al. Oxygen Abundances in the Milky Way Using X-Ray Absorption Measurements toward Galaxy Clusters. 639, 929 (2006)
- See YANG, Y., et al. Spatial Correlation Function of the *Chandra*-selected Active Galactic Nuclei. 645, 68 (2006)
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- See LANE, BENJAMIN F., et al. Calibrating an Interferometric Null. 648, 1276 (2006)
- Limits to Tertiary Astrometric Companions in Binary Systems. Matthew W. Muterspaugh, Benjamin F. Lane, S. R. Kulkarni, Bernard F. Burke, M. M. Colavita, and M. Shao. 653, 1469 (2006)
- MUTHU, C. See CHIU, PO-JIAN, et al. A Slowly Expanding Disk and Fast Bipolar Outflow from the S Star π^1 Gruis. 645, 605 (2006)
- MUTHUMARIAPPAN, C. Subarcsecond Mid-Infrared Imaging of Dust in the Bipolar Nebula Hen 3–401. C. Muthumariappan, Sun Kwok, and Kevin Volk. 640, 353 (2006)
- MUTSCHKE, H. See JÄGER, C., et al. Identification and Spectral Properties of

- Polycyclic Aromatic Hydrocarbons in Carbonaceous Soot Produced by Laser Pyrolysis. 166, 557 (2006)
- See TAMANAI, A., et al. The 10 μm Infrared Band of Silicate Dust: A Laboratory Study Comparing the Aerosol and KBr Pellet Techniques. 648, L147 (2006)
- MUZEROLLE, J. See HINES, DEAN C., et al. The Formation and Evolution of Planetary Systems (FEPS): Discovery of an Unusual Debris System Associated with HD 12039. 638, 1070 (2006)
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- See SU, K. Y. L., et al. Debris Disk Evolution around A Stars. 653, 675 (2006)
- MUZEROLLE, JAMES. See SICILIA-AGUILAR, AURORA, et al. Disk Evolution in Cep OB2: Results from the *Spitzer Space Telescope*. 638, 897 (2006)
- 24 μm Detections of Circum(sub)stellar Disks in IC 348: Grain Growth and Inner Holes? *James Muzerolle, Lucía Adame, Paola D'Alessio, Nuria Calvet, Kevin L. Luhman, August A. Muench, Charles J. Lada, George H. Rieke, Nick Siegler, David E. Trilling, Erick T. Young, Lori Allen, Lee Hartmann, and S. Thomas Megeath*. 643, 1003 (2006)
- See HARTMANN, LEE, et al. Why Do T Tauri Disks Accrete? 648, 484 (2006)
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- See TEIXEIRA, PAULA S., et al. Identifying Primordial Substructure in NGC 2264. 636, L45 (2006)
- See BALOG, ZOLTAN, et al. *Spitzer* MIPS 24 μm Detection of Photoevaporating Protoplanetary Disks. 650, L83 (2006)
- MYERS, ADAM D. First Measurement of the Clustering Evolution of Photometrically Classified Quasars. *Adam D. Myers, Robert J. Brunner, Gordon T. Richards, Robert C. Nichol, Donald P. Schneider, Daniel E. Vanden Berk, Ryan Scranton, Alexander G. Gray, and Jon Brinkmann*. 638, 622 (2006)
- See ROSS, ASHLEY J., et al. Precision Measurements of Higher Order Angular Galaxy Correlations Using 11 Million SDSS Galaxies. 649, 48 (2006)
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- MYERS, PHILIP C. See WILLIAMS, JONATHAN P., et al. A High-Resolution Comparative Study of the Slowly Contracting Starless Cores L694-2 and L1544. 636, 952 (2006)
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- See PADGETT, DEBORAH L., et al. The *Spitzer* c2d Survey of Weak-Line T Tauri Stars. I. Initial Results. 645, 1283 (2006)
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- MYERS, STEVEN T. See BOYCE, EDWARD R., et al. The Extragalactic Lens VLB1 Imaging Survey (ELVIS). I. A Search for the Central Image in the Gravitational Lens PMN J1838–3427. 648, 73 (2006)
- NAAB, T. See DASYRA, K. M., et al. Dynamical Properties of Ultraluminous Infrared Galaxies. I. Mass Ratio Conditions for ULIRG Activity in Interacting Pairs. 638, 745 (2006)
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- Properties of Early-Type, Dry Galaxy Mergers and the Origin of Massive Elliptical Galaxies. *Thorsten Naab, Sadeh Khochfar, and Andreas Burkert*. 636, L81 (2006)
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- NAGAI, HIROSHI. The Kinematic and Spectral Ages of the Compact Radio Source CTD 93. *Hiroshi Nagai, Makoto Inoue, Keiichi Asada, Seiji Kamenoi, and Akihiro Doi*. 648, 148 (2006)
- NAGAMINE, KENTARO. Detectability of [C II] 158 μm Emission from High-Redshift Galaxies: Predictions for ALMA and SPICA. *Kentaro Nagamine, Arthur M. Wolfe, and Lars Hernquist*. 647, 60 (2006)
- The History of Cosmological Star Formation: Three Independent Approaches and a Critical Test Using the Extragalactic Background Light. *Kentaro Nagamine, Jeremiah P. Ostriker, Masataka Fukugita, and Rensue Cen*. 653, 881 (2006)
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- NAGASHIMA, KAORI. Statistical Study of the Reconnection Rate in Solar Flares Observed with *Yohkoh* SXT. *Kaori Nagashima and Takaaki Yokoyama*. 647, 654 (2006)
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- How Long Can Tiny H I Clouds Survive? *Masahiro Nagashima, Shu-ichiro Inutsuka, and Hiroshi Koyama*. 652, L41 (2006)
- NAGATA, SHIN'ICHI. Dynamical Properties of Photospheric Flux Tubes at the Footpoints of Hot and Cool Coronal Loops. *Shin'ichi Nagata, Luis R. Bellot Rubio, and Yukio Katsukawa*. 638, 539 (2006)
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- NAHAR, SULTANA N. Electron-Ion Recombination Rate Coefficients and Photoionization Cross Sections for Astrophysically Abundant Elements. X. Ne VIII and Ne IX for Ultraviolet and X-Ray Modeling. *Sultana N. Nahar and Anil K. Pradhan*. 162, 417 (2006)
- Electron-Ion Recombination Rate Coefficients and Photoionization Cross Sections for Astrophysically Abundant Elements. XI. N V–VI and F VII–VIII for Ultraviolet and X-Ray Modeling. *Sultana N. Nahar*. 164, 280 (2006)
- Electron-Ion Recombination Rate Coefficients and Photoionization Cross Sections for Astrophysically Abundant Elements. XII. Na IX, Na X, Mg X, and Mg XI for Ultraviolet and X-Ray Modeling. *Sultana N. Nahar*. 167, 315 (2006)
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- NAJITA, J. See CHEN, C. H., et al. *Spitzer* IRS Spectroscopy of *IRAS*-discovered Debris Disks. 166, 351 (2006)
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- See SARGENT, B., et al. Dust Processing in Disks around T Tauri Stars. 645, 395 (2006)
- See PASCUCCI, I., et al. Formation and Evolution of Planetary Systems: Upper Limits to the Gas Mass in Disks around Sun-like Stars. 651, 1177 (2006)
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- See TERADA, Y., et al. Cyclotron Resonance Energies at a Low X-Ray Luminosity: A0535+262 Observed with *Suzaku*. 648, L139 (2006)
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- NAKAJIMA, TADASHI. Zenith-Distance Dependence of Chromatic Shear Effect: A Limiting Factor for an Extreme Adaptive Optics System. *Tadashi Nakajima*. 652, 1782 (2006)
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- See LI, ZHI-YUN, et al. Cluster Formation in Protostellar Outflow-driven Turbulence. 640, L187 (2006)
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- NAKAMURA, KO. Self-similar Solutions for the Interaction of Relativistic Ejecta with an Ambient Medium. *Ko Nakamura and Toshikazu Shigeyama*. 645, 431 (2006)
- Light-Element Production in the Circumstellar Matter of Energetic Type Ic Supernovae. *Ko Nakamura, Susumu Inoue, Shinya Wanajo, and Toshikazu Shigeyama*. 643, L115 (2006)
- NAKAMURA, MASANORI. Structure of Magnetic Tower Jets in Stratified Atmospheres. *Masanori Nakamura, Hui Li, and Shengtai Li*. 652, 1059 (2006)
- NAKAMURA, TAKASHI. See TOMA, KENJI, et al. Shallow Decay of Early X-Ray Afterglows from Inhomogeneous Gamma-Ray Burst Jets. 640, L139 (2006)
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- NAKAR, E. See SODERBERG, A. M., et al. Late-Time Radio Observations of 68 Type Ibc Supernovae: Strong Constraints on Off-Axis Gamma-Ray Bursts. 638, 930 (2006)
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- The Local Rate and the Progenitor Lifetimes of Short-Hard Gamma-Ray Bursts: Synthesis and Predictions for the Laser Interferometer Gravitational-Wave Observatory. *Ehud Nakar, Avishay Gal-Yam, and Derek B. Fox*. 650, 281 (2006)
- See MILOSAVLJEVIĆ, MILOŠ, et al. The Cosmic-Ray Precursor of Relativistic Collisionless Shocks: A Missing Link in Gamma-Ray Burst Afterglows. 651, 979 (2006)
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- SiO Masers in a Scutum Massive Star Cluster of Red Supergiants. *Jun-ichi Nakashima and Shuji Deguchi*. 647, L139 (2006)
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- NARAYANAN, DESIKA. Erratum: "Warm, Dense Molecular Gas in the ISM of Starbursts, LIRGs, and ULIRGs" (ApJ, 630, 269 [2005]). *Desika Narayanan, Christopher E. Groppi, Craig A. Kulesa, and Christopher K. Walker*. 642, 616 (2006)
- Molecular Line Emission from Gravitationally Unstable Protoplanetary Disks. *Desika Narayanan, Craig A. Kulesa, Alan Boss, and Christopher K. Walker*. 647, 1426 (2006)
- Molecular Outflows in Galaxy Merger Simulations with Embedded Active Galactic Nuclei. *Desika Narayanan, Thomas J. Cox, Brant Robertson, Romeel Davé, Tiziana Di Matteo, Lars Hernquist, Philip Hopkins, Craig Kulesa, and Christopher K. Walker*. 642, L107 (2006)
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- NASELSKY, PAVEL D. Correlations from Galactic Foregrounds in the First-Year *Wilkinson Microwave Anisotropy Probe* Data. *Pavel D. Naselsky, Igor D. Novikov, and Lung-Yih Chiang*. 642, 617 (2006)
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- the Early Universe? *N. P. H. Nesvadba, M. D. Lehnert, F. Eisenhauer, A. Gilbert, M. Tecza, and R. Abuter*. 650, 693 (2006)
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- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
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- Spitzer* Observations of Hydrogen Deuteride. *David A. Neufeld, Joel D. Green, David J. Hollenbach, Paule Sonnentrucker, Gary J. Melnick, Edwin A. Bergin, Ronald L. Snell, William J. Forrest, Dan M. Watson, and Michael J. Kaufman*. 647, L33 (2006)
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- NITTA, ATSUKO. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
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- See EISENSTEIN, DANIEL J., et al. A Catalog of Spectroscopically Confirmed White Dwarfs from the Sloan Digital Sky Survey Data Release 4. 167, 40 (2006)
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- NITTA, SHIN-YA. Magnetic Reynolds Number Dependence of Reconnection Rate and Flow Structure of the Self-Similar Evolution Model of Fast Magnetic Reconnection. *Shin-ya Nitta*. 638, 518 (2006)
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- See MAEDA, KEIICHI, et al. Optical Emission from Aspherical Supernovae and the Hypernova SN 1998bw. 645, 1331 (2006)
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- See KOBAYASHI, CHIAKI, et al. Galactic Chemical Evolution: Carbon through Zinc. 653, 1145 (2006)
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- NORIEGA-CRESPO, A. See INGALLS, JAMES G., et al. Erratum: “Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey” (ApJS, 154, 281 [2004]). 164, 306 (2006)
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- NORRIS, J. E. See AOKI, W., et al. HE 1327–2326, an Unevolved Star with $[\text{Fe}/\text{H}] < -5.0$. I. A Comprehensive Abundance Analysis. 639, 897 (2006)
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- for the Thick Disk: Galactic Stars along Lines of Sight to Dwarf Spheroidal Galaxies. 639, L13 (2006)
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- NUGENT, PETER. Toward a Cosmological Hubble Diagram for Type II-P Supernovae. Peter Nugent, Mark Sullivan, Richard Ellis, Avishay Gal-Yam, Douglas C. Leonard, D. Andrew Howell, Pierre Astier, Raymond G. Carlberg, Alex Conley, Sebastian Fabbro, Dominique Fouchez, James D. Neill, Reynald Pain, Kathy Perrett, Chris J. Pritchett, and Nicolas Regnault. 645, 841 (2006)
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- NUSSER, ADI. See CHUZHUY, LEONID, et al. Consequences of Short-Range Interactions between Dark Matter and Protons in Galaxy Clusters. 645, 950 (2006)

- NUTH, J. A. See ABBAS, M. M., et al. Photoelectric Emission Measurements on the Analogs of Individual Cosmic Dust Grains. 645, 324 (2006)
- NUTH, JOSEPH A., III. A Mechanism for the Equilibrium Growth of Mineral Crystals in AGB Stars and Red Giants on 10^5 yr Timescales. *Joseph A. Nuth III, G. Mark Wilkinson, Natasha M. Johnson, and Maureen Dwyer*. 644, 1164 (2006)
- Silicates Do Nucleate in Oxygen-rich Circumstellar Outflows: New Vapor Pressure Data for SiO. *Joseph A. Nuth III and Frank T. Ferguson*. 649, 1178 (2006)
- NYMAN, L.-Å. See HASEGAWA, T. I., et al. Observations of the Circumstellar Water $1_{01} \rightarrow 1_{01}$ and Ammonia $1_0 \rightarrow 0_0$ Lines in IRC +10216 by the *Odin* Satellite. 637, 791 (2006)
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- NYSEWANDER, M. C. Early Time Chromatic Variations in the Wind-swept Medium of GRB 021211 and the Faintness of Its Afterglow. *M. C. Nysewander, D. E. Reichart, H.-S. Park, G. G. Williams, K. Kinugasa, D. Q. Lamb, A. A. Henden, S. Klose, T. Kato, A. Harper, H. Yamaoka, C. Laws, K. Torii, D. G. York, J. C. Barentine, J. Dembicky, R. J. McMillan, J. A. Moran, D. H. Hartmann, B. Ketzeback, M. B. Bayliss, J. W. Bartelme, J. A. Crain, A. C. Foster, M. Schwartz, P. Holvorcem, P. A. Price, R. Cantera, G. B. Crew, G. R. Ricker, and S. D. Barthelmy*. 651, 994 (2006)
- OASA, YUMIKO. See NAOI, TAKAHIRO, et al. Near-Infrared Extinction Law in the ρ Ophiuchi and Chamaeleon Dark Clouds. 640, 373 (2006)
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- OBERST, T. E. Detection of the 205 μ m [N II] Line from the Carina Nebula. *T. E. Oberst, S. C. Parshley, G. J. Stacey, T. Nikola, A. Löhr, J. I. Harnett, N. F. H. Tothill, A. P. Lane, A. A. Stark, and C. E. Tucker*. 652, L125 (2006)
- OBLATH, N. S. See AHARMIM, B., et al. A Search for Neutrinos from the Solar hep Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
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- The Early X-Ray Emission from GRBs. *P. T. O'Brien, R. Willingale, J. Osborne, M. R. Goad, K. L. Page, S. Vaughan, E. Rol, A. Beardmore, O. Godet, C. P. Hurrett, A. Wells, B. Zhang, S. Kobayashi, D. N. Burrows, J. A. Nousek, J. A. Kenne, A. Falcone, D. Grupe, N. Gehrels, S. Barthelmy, J. Cannizzo, J. Cummings, J. E. Hill, H. Krimm, G. Chincarini, G. Tagliaferri, S. Campana, A. Moretti, P. Giommi, M. Perri, V. Mangano, and V. LaParola*. 647, 1213 (2006)
- See LEVAN, A. J., et al. The First *Swift* X-Ray Flash: The Faint Afterglow of XRF 050215B. 648, 1132 (2006)
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- See BODE, M. F., et al. *Swift* Observations of the 2006 Outburst of the Recurrent Nova RS Ophiuchi. I. Early X-Ray Emission from the Shocked Ejecta and Red Giant Wind. 652, 629 (2006)
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- O'DEA, CHRISTOPHER P. See MADRID, JUAN P., et al. *Hubble Space Telescope* Near-Infrared Snapshot Survey of 3CR Radio Source Counterparts at Low Redshift. 164, 307 (2006)
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- See TREMBLAY, GRANT R., et al. The Warped Nuclear Disk of Radio Galaxy 3C 449. 643, 101 (2006)
- See FLOYD, DAVID J. E., et al. An Optical-Infrared Jet in 3C 133. 643, 660 (2006)
- See PERLMAN, ERIC S., et al. Optical Polarimetry of the Jets of Nearby Radio Galaxies. I. The Data. 651, 735 (2006)
- XMM-Newton* Detection of X-Ray Emission from the Compact Steep-Spectrum Radio Galaxy 3C 303.1. *Christopher P. O'Dea, Bo Mu, D. M. Worrall, Joel Kastner, Stefi Baum, and Willem H. de Vries*. 653, 1115 (2006)
- O'DELL, C. R. See ABEL, N. P., et al. Physical Conditions in Orion's Veil. II. A Multicomponent Study of the Line of Sight toward the Trapezium. 644, 344 (2006)
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- Rejecting Astrophysical False Positives from the TrES Transiting Planet Survey: The Example of GSC 03885-00829. *Francis T. O'Donovan, David Charbonneau, Guillermo Torres, Georgi Mandushev, Edward W. Dunham, David W. Latham, Roi Alonso, Timothy M. Brown, Gilbert A. Esquerdo, Mark E. Everett, and Orlagh L. Creevey*. 644, 1237 (2006)
- See HOLMAN, MATTHEW J., et al. The Transit Light Curve Project. I. Four Consecutive Transits of the Exoplanet XO-1b. 652, 1715 (2006)
- TrES-2: The First Transiting Planet in the Kepler Field. *Francis T. O'Donovan, David Charbonneau, Georgi Mandushev, Edward W. Dunham, David W. Latham, Guillermo Torres, Alessandro Sozzetti, Timothy M. Brown, John T. Trauger, Juan A. Belmonte, Markus Rabus, José M. Almenara, Roi Alonso, Hans J. Deeg, Gilbert A. Esquerdo, Emilio E. Falco, Lynne A. Hillenbrand, Anna Roussanova, Robert P. Stefanik, and Joshua N. Winn*. 651, L61 (2006)
- O'EY, M. S. See MEURER, GERHARDT R., et al. The Survey for Ionization in Neutral Gas Galaxies. I. Description and Initial Results. 165, 307 (2006)
- See SCHWARTZ, C. M., et al. Kinematics of Interstellar Gas in Nearby UV-selected Galaxies Measured with *HST* STIS Spectroscopy. 646, 858 (2006)

- See HANISH, D. J., et al. The Survey for Ionization in Neutral Gas Galaxies. II. The Star Formation Rate Density of the Local Universe. 649, 150 (2006)
- See NOTA, A., et al. Discovery of a Population of Pre-Main-Sequence Stars in NGC 346 from Deep *Hubble Space Telescope* ACS Images. 640, L29 (2006)
- OFEK, E. See PENPRASE, B. E., et al. Spectroscopy of GRB 051111 at $z = 1.54948$: Kinematics and Elemental Abundances of the GRB Environment and Host Galaxy. 646, 358 (2006)
- See FRAIL, D. A., et al. An Energetic Afterglow from a Distant Stellar Explosion. 646, L99 (2006)
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- The Short-Hard GRB 051103: Observations and Implications for Its Nature. E. O. Ofek, S. R. Kulkarni, E. Nakar, S. B. Cenko, P. B. Cameron, D. A. Frail, A. Gal-Yam, A. M. Soderberg, and D. B. Fox. 652, 507 (2006)
- OFEK, ERAN O. See GAL-YAM, AVISHAY, et al. Radio and Optical Follow-up Observations of a Uniform Radio Transient Search: Implications for Gamma-Ray Bursts and Supernovae. 639, 331 (2006)
- Spectroscopic Redshifts for Seven Lens Galaxies. Eran O. Ofek, Dan Maoz, Hans-Walter Rix, Christopher S. Kochanek, and Emilio E. Falco. 641, 70 (2006)
- OFMAN, L. Oscillations of Hard X-Ray Flare Emission Observed by *RHESSI*: Effects of Super-Alfvénic Beams? L. Ofman and L. Sui. 644, L149 (2006)
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- OGIO, S. See SAKO, T., et al. Long-lived Solar Neutron Emission in Comparison with Electron-produced Radiation in the 2005 September 7 Solar Flare. 651, L69 (2006)
- OGLE, PATRICK. *Spitzer* Reveals Hidden Quasar Nuclei in Some Powerful FR II Radio Galaxies. Patrick Ogle, David Whysong, and Robert Antonucci. 647, 161 (2006)
- OGLE COLLABORATION, THE. See DONG, SUBO, et al. Planetary Detection Efficiency of the Magnification 3000 Microlensing Event OGLE-2004-BLG-343. 642, 842 (2006)
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- OGURI, MASAMUNE. See OTA, NAOMI, et al. *Chandra* Observations of SDSS J1004+4112: Constraints on the Lensing Cluster and Anomalous X-Ray Flux Ratios of the Quadruply Imaged Quasar. 647, 215 (2006)
- See HENNAWI, JOSEPH F., et al. Quasars Probing Quasars. I. Optically Thick Absorbers near Luminous Quasars. 651, 61 (2006)
- See BOWEN, DAVID V., et al. QSO Absorption Lines from QSOs. 645, L105 (2006)
- See INADA, NAOHISA, et al. SDSS J1029+2623: A Gravitationally Lensed Quasar with an Image Separation of 22". 653, L97 (2006)
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- O'HALLORAN, B. The Polycyclic Aromatic Hydrocarbon Emission Deficit in Low-Metallicity Galaxies—A *Spitzer* View. B. O'Halloran, S. Satyapal, and R. P. Dudik. 641, 795 (2006)
- See SATYAPAL, S., et al. Erratum: "The Link between Star Formation and Accretion in LINERs: A Comparison with Other Active Galactic Nucleus Subclasses" (ApJ, 633, 86 [2005]). 642, 615 (2006)
- O'HARA, TIMOTHY B. Effects of Mergers and Core Structure on the Bulk Properties of Nearby Galaxy Clusters. Timothy B. O'Hara, Joseph J. Mohr, John J. Bialek, and August E. Evrard. 639, 64 (2006)
- OHASHI, NAGAYOSHI. See LIN, SHIN-YI, et al. Possible Molecular Spiral Arms in the Protoplanetary Disk of AB Aurigae. 645, 1297 (2006)
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- OHKUBO, MICHIKO. See KAWAKITA, HIDEYO, et al. Ortho-to-Para Ratios of Water and Ammonia in Comet C/2001 Q4 (NEAT): Comparison of Nuclear Spin Temperatures of Water, Ammonia, and Methane. 643, 1337 (2006)
- OHKUBO, TAKUYA. Core-Collapse Very Massive Stars: Evolution, Explosion, and Nucleosynthesis of Population III 500–1000 M_{\odot} Stars. Takuya Ohkubo, Hideyuki Umeda, Keiichi Maeda, Ken'ichi Nomoto, Tomoharu Suzuki, Sachiko Tsuruta, and Martin J. Rees. 645, 1352 (2006)
- See KOBAYASHI, CHIAKI, et al. Galactic Chemical Evolution: Carbon through Zinc. 653, 1145 (2006)
- See MOTOHARA, KENTARO, et al. The Asymmetric Explosion of Type Ia Supernovae as Seen from Near-Infrared Observations. 652, L101 (2006)
- OHNISHI, NAOFUMI. Numerical Analysis of Standing Accretion Shock Instability with Neutrino Heating in Supernova Cores. Naofumi Ohnishi, Kei Kotake, and Shoichi Yamada. 641, 1018 (2006)
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- OHNO, K. See MAEDA, S., et al. Generation Mechanisms of Amino Acids in Interstellar Space via Reactions between Closed-Shell Species: Significance of Higher Energy Isomers in Molecular Evolution. 640, 823 (2006)
- OHsUGA, KEN. Two-dimensional Radiation-Hydrodynamic Model for Limit-Cycle Oscillations of Luminous Accretion Disks. Ken Ohsuga. 640, 923 (2006)
- OHTA, K. See KONG, X., et al. A Wide Area Survey for High-Redshift Massive Galaxies. I. Number Counts and Clustering of BzKs and EROs. 638, 72 (2006)
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- See KIUCHI, GAKU, et al. Host Galaxies of Hard X-Ray–Selected Type 2 Active Galactic Nuclei at Intermediate Redshifts. 647, 892 (2006)
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- OHTO, A. See FUKAZAWA, Y., et al. Scaling Mass Profiles around Elliptical Galaxies Observed with *Chandra* and *XMM-Newton*. 636, 698 (2006)
- OISHI, JEFFREY S. The Inability of Ambipolar Diffusion to Set a Characteristic Mass Scale in Molecular Clouds. Jeffrey S. Oishi and Mordecai-Mark Mac Low. 638, 281 (2006)
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- OJHA, ROOPESH. Scatter Broadening of Scintillating and Nonscintillating AGNs. I. A Multifrequency VLBA Survey. Roopesh Ojha, Alan L. Fey, T. Joseph W. Lazio, David L. Jauncey, James E. J. Lovell, and Lucyna Kedziora-Chudczer. 166, 37 (2006)
- OKA, T. See GEBALLE, T. R., et al. The Interstellar Medium of IRAS 08572+3915 NW: H $_2^+$ and Warm High-Velocity CO. 644, 907 (2006)

- OKA, TOMOHARU. See SAKAI, TAKESHI, et al. Atomic Carbon in the AFGL 333 Cloud. 649, 268 (2006)
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- OKAJIMA, TAKASHI. A Stellar-Mass Black Hole in the Ultraluminous X-Ray Source M82 X-1? *Takashi Okajima, Ken Ebisawa, and Toshihiro Kawaguchi*. 652, L105 (2006)
- OKAMOTO, TAKASHI. See SAITOH, TAKAYUKI R., et al. Tidal Disruption of Dark Matter Halos around Proto-Globular Clusters. 640, 22 (2006)
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- OKAMOTO, Y. K. See TOKURA, D., et al. Mid-Infrared High Spatial Resolution Observations of NGC 1569: Detection of Embedded Embryos of Star Formation. 648, 355 (2006)
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- OKOŃ, WALDEMAR. See HARRIS, WILLIAM E., et al. Globular Cluster Systems in Brightest Cluster Galaxies: Bimodal Metallicity Distributions and the Nature of the High-Luminosity Clusters. 636, 90 (2006)
- OKUMURA, K. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- OLCZAK, C. Encounter-triggered Disk Mass Loss in the Orion Nebula Cluster. *C. Olczak, S. Pfalzner, and R. Spurzem*. 642, 1140 (2006)
- O'LEARY, RYAN M. Binary Mergers and Growth of Black Holes in Dense Star Clusters. *Ryan M. O'Leary, Frederic A. Rasio, John M. Fregeau, Natalia Ivanova, and Richard O'Shaughnessy*. 637, 937 (2006)
- O'LINGER, J. See INGALLS, JAMES G., et al. Erratum: "Structure and Colors of Diffuse Emission in the Spitzer Galactic First Look Survey" (ApJS, 154, 281 [2004]). 164, 306 (2006)
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- OTTE, N. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
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- OU, SHANGLI. An Approximate Solver for Riemann and Riemann-like Ellipsoidal Configurations. *Shangli Ou*. 639, 549 (2006)
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- OUCHI, MASAMI. See KASHIKAWA, NOBUNARI, et al. Clustering of Lyman Break Galaxies at $z = 4$ and $z = 5$ in the Subaru Deep Field: Luminosity Dependence of the Correlation Function Slope. 637, 631 (2006)
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- OUYED, RACHID. See JAIKUMAR, PRASHANTH, et al. Skyrmion Stars: Astrophysical Motivations and Implications. 639, 354 (2006)
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- OVERZIER, RODERIK A. Clustering of Star-forming Galaxies Near a Radio Galaxy at $z = 5.2$. *Roderik A. Overzier, G. K. Miley, R. J. Bouwens, N. J. G. Cross, A. W. Zirm, N. Benítez, J. P. Blakeslee, M. Clampin, R. Demarco, H. C. Ford, G. F. Hartig, G. D. Illingworth, A. R. Martel, H. J. A. Röttgering, B. Venemans, D. R. Ardila, F. Bartko, L. D. Bradley, T. J. Broadhurst, D. Coe, P. D. Feldman, M. Franx, D. A. Golimowski, T. Goto, C. Gronwall, B. Holden, N. Homeier, L. Infante, R. A. Kimble, J. E. Krist, S. Mei, F. Menanteau, G. R. Meurer, V. Motta, M. Postman, P. Rosati, M. Sirtanni, W. B. Sparks, H. D. Tran, Z. I. Tsvetanov, R. L. White, and W. Zheng*. 637, 58 (2006)
- Clustering of i_{775} Dropout Galaxies at $z \sim 6$ in GOODS and the UDF. *Roderik A. Overzier, Rychard J. Bouwens, Garth D. Illingworth, and Marijn Franx*. 648, L5 (2006)
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- OWOCKI, STANLEY P. The Effect of Porosity on X-Ray Emission-Line Profiles from Hot-Star Winds. *Stanley P. Owocki and David H. Cohen*. 648, 565 (2006)
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- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
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- OZAKI, JIN. A Method to Identify the Companion Stars of Type Ia Supernovae in Young Supernova Remnants. *Jin Ozaki and Toshikazu Shigeyama*. 644, 954 (2006)
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- See HINES, DEAN C., et al. The Formation and Evolution of Planetary Systems (FEPS): Discovery of an Unusual Debris System Associated with HD 12039. 638, 1070 (2006)
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- PADMANABHAN, NIKHIL. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
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- High-Resolution Mapping of Interstellar Clouds by Near-Infrared Scattering. Paolo Padoan, Mika Juvela, and Veli-Matti Pelkonen. 636, L101 (2006)
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- See VAUGHAN, S., et al. The Dust-scattered X-Ray Halo around *Swift* GRB 050724. 639, 323 (2006)
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- See NOUSEK, J. A., et al. Evidence for a Canonical Gamma-Ray Burst Afterglow Light Curve in the *Swift* XRT Data. 642, 389 (2006)
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- PAIN, R. See CONLEY, A., et al. Measurement of Ω_m , Ω_Λ from a Blind Analysis of Type Ia Supernovae with CMAGIC: Using Color Information to Verify the Acceleration of the Universe. 644, 1 (2006)
- See SULLIVAN, M., et al. Rates and Properties of Type Ia Supernovae as a Function of Mass and Star Formation in Their Host Galaxies. 648, 868 (2006)
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- PAIN, REYNALD. See WANG, XIAOFENG, et al. Determination of the Hubble Constant, the Intrinsic Scatter of Luminosities of Type Ia Supernovae, and Evidence for Nonstandard Dust in Other Galaxies. 645, 488 (2006)
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- PALAU, A. Submillimeter Emission from the Hot Molecular Jet HH 211. A. Palau, P. T. P. Ho, Q. Zhang, R. Estalella, N. Hirano, H. Shang, C.-F. Lee, T. L. Bourke, H. Beuther, and Y.-J. Kuan. 636, L137 (2006)
- PALLA, F. See SKINNER, S. L., et al. A Rich Population of X-Ray-emitting Wolf-Rayet Stars in the Galactic Starburst Cluster Westerlund 1. 639, L35 (2006)
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- See MILAM, STEFANIE N., et al. Formaldehyde in Comets C/1995 O1 (Hale-Bopp), C/2002 T7 (LINEAR), and C/2001 Q4 (NEAT): Investigating the Cometary Origin of H₂CO. 649, 1169 (2006)
- PALOV, A. P. Modeling of the SiO Circumstellar Maser: Rate Coefficients for the Vibrationally-Rotationally Inelastic Scattering of H+SiO. A. P. Palov, M. D. Gray, D. Field, and G. G. Balint-Kurti. 639, 204 (2006)
- PAL'SHIN, V. See PEDERSEN, K., et al. Multiwavelength Studies of the Optically Dark Gamma-Ray Burst 001025A. 636, 381 (2006)
- See KRIMM, H. A., et al. GRB 050717: A Long, Short-Lag, High-Peak Energy Burst Observed by *Swift* and Konus. 648, 1117 (2006)
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- PANAGIA, N. See PASQUALI, A., et al. The Structure and Star Formation History of Early-Type Galaxies in the Ultra Deep Field/GRAPES Survey. 636, 115 (2006)
- See PIRZKAL, N., et al. Morphology and Evolution of Emission-Line Galaxies in the Hubble Ultra Deep Field. 636, 582 (2006)
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- See SANDAGE, A., et al. The Hubble Constant: A Summary of the *Hubble Space Telescope* Program for the Luminosity Calibration of Type Ia Supernovae by Means of Cepheids. 653, 843 (2006)
- PANAGIA, NINO. See HENG, KEVIN, et al. Evolution of the Reverse Shock Emission from SNR 1987A. 644, 959 (2006)
- A Search for Radio Emission from Type Ia Supernovae. *Nino Panagia, Schuyler D. Van Dyk, Kurt W. Weiler, Richard A. Sramek, Christopher J. Stockdale, and Kimberly P. Murata*. 646, 369 (2006)
- See QUINN, JASON L., et al. A Light Echo from Type Ia SN 1995E? 652, 512 (2006)
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- PANDEY, GAJENDRA. An Analysis of Ultraviolet Spectra of Extreme Helium Stars and New Clues to Their Origins. *Gajendra Pandey, David L. Lambert, C. Simon Jeffery, and N. Kameswara Rao*. 638, 454 (2006)
- The Discovery of Fluorine in Cool Extreme Helium Stars. *Gajendra Pandey*. 648, L143 (2006)
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- PANEQUE, D. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
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- PANNUTI, T. G. See PIETSCH, W., et al. M33 X-7: ChASeM33 Reveals the First Eclipsing Black Hole X-Ray Binary. 646, 420 (2006)
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- PANTER, BEN. See SHETH, RAVI K., et al. Environment and the Cosmic Evolution of Star Formation. 650, L25 (2006)
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- PANUZZO, P. See BRESSAN, A., et al. *Spitzer* IRS spectra of Virgo Early-Type Galaxies: Detection of Stellar Silicate Emission. 639, L55 (2006)
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- PAPADOPOULOS, PADELI P. See PELUPESSY, FEDERICO L., et al. Incorporating the Molecular Gas Phase in Galaxy-sized Numerical Simulations: First Applications in Dwarf Galaxies. 645, 1024 (2006)
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- See ALONSO-HERRERO, A., et al. Infrared Power-Law Galaxies in the Chandra Deep Field-South: Active Galactic Nuclei and Ultraluminous Infrared Galaxies. 640, 167 (2006)
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- See KIM, JUHAN, et al. A New Halo-finding Method for N -Body Simulations. 639, 600 (2006)
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- Evolutionary Status of SNR 1987A at the Age of Eighteen. Sangwook Park, Svetozar A. Zhekov, David N. Burrows, Gordon P. Garmire, Judith L. Racusin, and Richard McCray. 646, 1001 (2006)
- See BOUCHET, PATRICE, et al. SN 1987A after 18 Years: Mid-Infrared Gemini and *Spitzer* Observations of the Remnant. 650, 212 (2006)
- Discovery of a Candidate Central Compact Object in the Galactic Nonthermal SNR G330.2+1.0. Sangwook Park, Koji Mori, Oleg Kargaltsev, Patrick O. Slane, John P. Hughes, David N. Burrows, Gordon P. Garmire, and George G. Pavlov. 653, L37 (2006)
- PARK, TAEYOUNG. Bayesian Estimation of Hardness Ratios: Modeling and Computations. Taeyoung Park, Vinay L. Kashyap, Aneta Siemiginowska, David A. van Dyk, Andreas Zezas, Craig Heinke, and Bradford J. Wargelin. 652, 610 (2006)
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- PASQUALI, A. The Structure and Star Formation History of Early-Type Galaxies in the Ultra Deep Field/GRAPES Survey. *A. Pasquali, I. Ferreras, N. Panagia, E. Daddi, S. Malhotra, J. E. Rhoads, N. Pirzkal, R. A. Windhorst, A. M. Koekemoer, L. Moustakas, C. Xu, and C. Gronwall.* 636, 115 (2006)
- See PIRZKAL, N., et al. Morphology and Evolution of Emission-Line Galaxies in the Hubble Ultra Deep Field. 636, 582 (2006)
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- See WEISSKOPF, MARTIN C., et al. The First *Chandra* Field. 637, 682 (2006)
- See GRUPE, DIRK, et al. Jet Breaks in Short Gamma-Ray Bursts. I. The Uncollimated Afterglow of GRB 050724. 653, 462 (2006)
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- See TRUJILLO, IGNACIO, et al. Detection of the Effect of Cosmological Large-Scale Structure on the Orientation of Galaxies. 640, L111 (2006)
- The Alignment of Dark Matter Halos with the Cosmic Web. *Santiago G. Patiri, Antonio J. Cuesta, Francisco Prada, Juan Betancort-Rijo, and Anatoly Khlyin.* 652, L75 (2006)
- PATSOURAKOS, S. Nonthermal Spectral Line Broadening and the Nanoflare Model. *S. Patsourakos and J. A. Klimchuk.* 647, 1452 (2006)
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- Canis Major Dwarf Galaxy as an Outlying Part of the Argo Star System. 640, L147 (2006)
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- PAUL, B. See NAIK, S., et al. Broadband X-Ray Spectrum of KS 1947+300 with *BeppoSAX*. 647, 1293 (2006)
- PAUL, J. See BÉLANGER, G., et al. A Persistent High-Energy Flux from the Heart of the Milky Way: *INTEGRAL*'s View of the Galactic Center. 636, 275 (2006)
- PAULS, GEORGE. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
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- See GILLESSEN, S., et al. Variations in the Spectral Slope of Sagittarius A* during a Near-Infrared Flare. 640, L163 (2006)
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- PAUSS, F. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
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- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
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- PAVLOV, G. G. See KARGALTSEV, O., et al. X-Ray Emission from the Nearby PSR B1133+16 and Other Old Pulsars. 636, 406 (2006)
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- The Pulsar Wind Nebula of the Geminga Pulsar. G. G. Pavlov, D. Sanwal, and V. E. Zavlin. 643, 1146 (2006)
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- PAYNE, D. J. B. Frequency Spectrum of Gravitational Radiation from Global Hydromagnetic Oscillations of a Magnetically Confined Mountain on an Accreting Neutron Star. D. J. B. Payne and A. Melatos. 641, 471 (2006)
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- Multiwavelength Observations of EXO 0748-676. II. Emission-Line Behavior. K. J. Pearson, R. I. Hynes, D. Steeghs, P. G. Jonker, C. A. Haswell, A. R. King, K. O'Brien, G. Nelemans, and M. Méndez. 648, 1169 (2006)
- See HYNES, R. I., et al. Further Evidence for Variable Synchrotron Emission in XTE J1118+480 in Outburst. 651, 401 (2006)
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- PEASE, DERON O. The Darkest Bright Star: *Chandra* X-Ray Observations of Vega. Deron O. Pease, Jeremy J. Drake, and Vinay L. Kashyap. 636, 426 (2006)
- PECCI, F. FUSI. See GALLETTI, S., et al. ACS Photometry of the Remote M31 Globular Cluster B514. 650, L107 (2006)
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- Burst 001025A. *K. Pedersen, K. Hurley, J. Hjorth, D. A. Smith, M. I. Andersen, L. Christensen, T. Cline, J. P. U. Fynbo, J. Goldsten, S. Golenetskii, J. Gorosabel, P. Jakobsson, B. L. Jensen, B. Milvang-Jensen, T. McClanahan, P. Møller, V. Palshin, N. Schartel, J. Trombka, M. Ulanov, and D. Watson*. 636, 381 (2006)
- See WATSON, D., et al. The Soft X-Ray Burst in the Apparently Subluminous GRB 031203. 636, 967 (2006)
- See WATSON, D., et al. A $\log N_{\text{H}} = 22.6$ Damped Ly α Absorber in a Dark Gamma-Ray Burst: The Environment of GRB 050401. 652, 1011 (2006)
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- See RAGLAND, S., et al. First Surface-resolved Results with the Infrared Optical Telescope Array Imaging Interferometer: Detection of Asymmetries in Asymptotic Giant Branch Stars. 652, 650 (2006)
- See MILLAN-GABET, R., et al. Bright Localized Near-Infrared Emission at 1–4 AU in the AB Aurigae Disk Revealed by IOTA Closure Phases. 645, L77 (2006)
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- PEEK, JOSHUA E. G. See STANIMIROVIĆ, SNEŽANA, et al. First Results from the Arecibo Galactic H I Survey: The Disk/Halo Interface Region in the Outer Galaxy. 653, L210 (2006)
- PEEPLES, MOLLY S. The Connection between Bar Strength and Circumnuclear Dust Structure. *Molly S. Peeples and Paul Martini*. 652, 1097 (2006)
- PE'ER, ASAF. Erratum: "High-Energy Photon Emission in the Early Afterglow of GRBs" (ApJ, 633, 1018 [2005]). *Asaf Pe'er and Eli Waxman*. 638, 1187 (2006)
- The Observable Effects of a Photospheric Component on GRB and XRF Prompt Emission Spectrum. *Asaf Pe'er, Peter Mészáros, and Martin J. Rees*. 642, 995 (2006)
- The Signature of a Wind Reverse Shock in Gamma-Ray Burst Afterglows. *Asaf Pe'er and Ralph A. M. J. Wijers*. 643, 1036 (2006)
- Radiation from an Expanding Cocoon as an Explanation of the Steep Decay Observed in GRB Early Afterglow Light Curves. *Asaf Pe'er, Peter Mészáros, and Martin J. Rees*. 652, 482 (2006)
- Synchrotron Emission in Small-Scale Magnetic Fields as a Possible Explanation for Prompt Emission Spectra of Gamma-Ray Bursts. *Asaf Pe'er and Bing Zhang*. 653, 454 (2006)
- PEETERS, E. See BERNARD-SALAS, J., et al. The *Spitzer* IRS spectrum of SMP LMC 11. 652, L29 (2006)
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- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
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- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- PEI, C. Effect of a Random Magnetic Field on the Onset Times of Solar Particle Events. *C. Pei, J. R. Jokipii, and J. Giacalone*. 641, 1222 (2006)
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- PELLEGRINI, S. Erratum: "Nuclear Accretion in Galaxies of the Local Universe: Clues from *Chandra* Observations" (ApJ, 624, 155 [2005]). *S. Pellegrini*. 636, 564 (2006)
- See SORIA, R., et al. Accretion and Nuclear Activity of Quiescent Supermassive Black Holes. I. X-Ray Study. 640, 126 (2006)
- See SORIA, R., et al. Accretion and Nuclear Activity of Quiescent Supermassive Black Holes. II. Optical Study and Interpretation. 640, 143 (2006)
- See FABBIANO, G., et al. The Modulated Emission of the Ultraluminous X-Ray Source in NGC 3379. 650, 879 (2006)
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- PEÑARRUBIA, JORGE. Modeling Tidal Streams in Evolving Dark Matter Halos. *Jorge Peñarrubia, Andrew J. Benson, David Martínez-Delgado, and Hans Walter Rix*. 645, 240 (2006)
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- PENG, CHIEN Y. Probing the Coevolution of Supermassive Black Holes and Quasar Host Galaxies. *Chien Y. Peng, Chris D. Impey, Luis C. Ho, Elizabeth J. Barton, and Hans-Walter Rix*. 640, 114 (2006)
- See BELL, ERIC F., et al. Dry Mergers in GEMS: The Dynamical Evolution of Massive Early-Type Galaxies. 640, 241 (2006)
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- Probing the Coevolution of Supermassive Black Holes and Galaxies Using Gravitationally Lensed Quasar Hosts. *Chien Y. Peng, Chris D. Impey, Hans-Walter Rix, Christopher S. Kochanek, Charles R. Keeton, Emilio E. Falco, Joseph Lehar, and Brian A. McLeod*. 649, 616 (2006)
- PENG, ERIC W. See FERRARESE, LAURA, et al. The ACS Virgo Cluster Survey. VI. Isophotal Analysis and the Structure of Early-Type Galaxies. 164, 334 (2006)
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- The ACS Virgo Cluster Survey. IX. The Color Distributions of Globular Cluster Systems in Early-Type Galaxies. *Eric W. Peng, Andrés Jordán, Patrick Côté, John P. Blakeslee, Laura Ferrarese, Simona Mei, Michael J. West, David Merritt, Milos Milosavljević, and John L. Tonry*. 639, 95 (2006)
- The ACS Virgo Cluster Survey. XI. The Nature of Diffuse Star Clusters in Early-Type Galaxies. *Eric W. Peng, Patrick Côté, Andrés Jordán, John P. Blakeslee, Laura Ferrarese, Simona Mei, Michael J. West, David Merritt, Milos Milosavljević, and John L. Tonry*. 639, 838 (2006)
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- PENN, M. J. Temporal Changes in Sunspot Umbral Magnetic Fields and Temperatures. *M. J. Penn and W. Livingston*. 649, L45 (2006)
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- Spectroscopy of GRB 051111 at $z = 1.54948$: Kinematics and Elemental Abundances of the GRB Environment and Host Galaxy. *B. E. Penprase, E. Berger, D. B. Fox, S. R. Kulkarni, S. Kudish, L. Kerber, E. Ofek, M. Kasliwal, G. Hill, B. Schaefer, and M. Reed*. 646, 358 (2006)
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- Gravitational Radiation from Nonaxisymmetric Spherical Couette Flow in a Neutron Star. *C. Peralta, A. Melatos, M. Giacobello, and A. Ooi*. 644, L53 (2006)
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- PEREYRA, NICOLAS A. On the Steady Nature of Line-driven Disk Winds: Application to Cataclysmic Variables. *Nicolas A. Pereyra, D. John Hillier, and David A. Turnshek*. 636, 411 (2006)
- Characteristic QSO Accretion Disk Temperatures from Spectroscopic Continuum Variability. *Nicolas A. Pereyra, Daniel E. Vanden Berk, David A. Turnshek, D. John Hillier, Brian C. Wilhite, Richard G. Kron, Donald P. Schneider, and Jonathan Brinkmann*. 642, 87 (2006)
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- See ZHENG, X. Z., et al. Detecting Faint Galaxies by Stacking at $24\ \mu\text{m}$. 640, 784 (2006)
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- See SHI, Y., et al. Morphology of *Spitzer* $24\ \mu\text{m}$ Detected Galaxies in the UDF: The Links between Star Formation and Galaxy Morphology. 645, 199 (2006)
- See EGAMI, E., et al. *Spitzer* Observations of the Brightest Galaxies in X-Ray-Luminous Clusters. 647, 922 (2006)
- See BARMBY, P., et al. Dusty Waves on a Starry Sea: The Mid-Infrared View of M31. 650, L45 (2006)
- PÉREZ-GONZÁLEZ, PABLO G. Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031). *Pablo G. Pérez-González, Robert C. Kennicutt, Jr., Karl D. Gordon, Karl A. Misselt, Armando Gil de Paz, Charles W. Engelbracht, George H. Rieke, George J. Bendo, Luciana Bianchi, Samuel Boissier, Daniela Calzetti, Daniel A. Dale, Bruce T. Draine, Thomas H. Jarrett, David Hollenbach, and Moire K. M. Prescott*. 648, 987 (2006)
- See ALONSO-HERRERO, ALMUDENA, et al. Near-Infrared and Star-forming Properties of Local Luminous Infrared Galaxies. 650, 835 (2006)
- Erratum: "Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031)" (ApJ, 648, 987 [2006]). *Pablo G. Pérez-González, Robert C. Kennicutt, Jr., Karl D. Gordon, Karl A. Misselt, Armando Gil de Paz, Charles W. Engelbracht, George H. Rieke, George J. Bendo, Luciana Bianchi, Samuel Boissier, Daniela Calzetti, Daniel A. Dale, Bruce T. Draine, Thomas H. Jarrett, David Hollenbach, and Moire K. M. Prescott*. 653, 812 (2006)
- PÉREZ-RAMÍREZ, M. D. See DE UGARTE POSTIGO, A., et al. GRB 060121: Implications of a Short-/Intermediate-Duration γ -Ray Burst at High Redshift. 648, L83 (2006)
- PERKINS, J. See REBILLOT, P. F., et al. Multiwavelength Observations of the Blazar Markarian 421 in 2002 December and 2003 January. 641, 740 (2006)
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- PERKINS, J. S. TeV Gamma-Ray Observations of the Perseus and Abell 2029 Galaxy Clusters. *J. S. Perkins, H. M. Badran, G. Blaylock, S. M. Bradbury, P. Cogan, Y. C. K. Chow, W. Cui, M. K. Daniel, A. D. Falcone, S. J. Fegan, J. P. Finley, P. Fortin, L. F. Fortson, G. H. Gillanders, K. J. Gutierrez, J. Grube, J. Hall, D. Hanna, J. Holder, D. Horan, S. B. Hughes, T. B. Humensky, G. E. Kenny, M. Kertzman, D. B. Kieda, J. Kildea, K. Kosack, H. Krawczynski, F. Krennrich, M. J. Lang, S. LeBohec, G. Maier, P. Moriarty, R. A. Ong, M. Pohl, K. Ragan, P. F. Rebillot, G. H. Sembrski, D. Steele, S. P. Swordy, L. Valcarcel, V. V. Vassiliev, S. P. Wakely, T. C. Weekes, and D. A. Williams (The VERITAS Collaboration)*. 644, 148 (2006)
- PERLEY, D. See BARKHOUSE, W. A., et al. ChaMP Serendipitous Galaxy Cluster Survey. 645, 955 (2006)
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- See PROCHASKA, J. X., et al. The Galaxy Hosts and Large-Scale Environments of Short-Hard Gamma-Ray Bursts. 642, 989 (2006)
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- See SCHWARTZ, D. A., et al. *Chandra* Observations of Magnetic Fields and Relativistic Beaming in Four Quasar Jets. 640, 592 (2006)
- See SCHWARTZ, D. A., et al. Discovery of an X-Ray Jet and Extended Jet Structure in the Quasar PKS 1055+201. 647, L107 (2006)
- PERLMAN, ERIC. See MADRID, JUAN P., et al. *Hubble Space Telescope* Near-Infrared Snapshot Survey of 3CR Radio Source Counterparts at Low Redshift. 164, 307 (2006)
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- See FLOYD, DAVID J. E., et al. An Optical-Infrared Jet in 3C 133. 643, 660 (2006)

- PERLMAN, ERIC S. See LANDT, HERMINE, et al. VLA Observations of a New Population of Blazars. 637, 183 (2006)
- Optical Polarimetry of the Jets of Nearby Radio Galaxies. I. The Data. *Eric S. Perlman, C. A. Padgett, Markos Georganopoulos, William B. Sparks, John A. Biretta, Christopher P. O'Dea, Stefi A. Baum, Mark Birkinshaw, D. M. Worrall, Fred Dulwich, Sebastian Jester, André Martel, Alessandro Capetti, and J. Patrick Leahy.* 651, 735 (2006)
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- See DIGBY, ANDREW P., et al. The Challenges of Coronagraphic Astrometry. 650, 484 (2006)
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- PETER, HARDI. Forward Modeling of the Corona of the Sun and Solar-like Stars: From a Three-dimensional Magnetohydrodynamic Model to Synthetic Extreme-Ultraviolet Spectra. *Hardi Peter, Boris V. Gudiksen, and Åke Nordlund.* 638, 1086 (2006)
- PETERSON, B. A. See SODERBERG, A. M., et al. An *HST* Study of the Supernovae Accompanying GRB 040924 and GRB 041006. 636, 391 (2006)
- PETERSON, B. M. See KRAEMER, S. B., et al. Simultaneous Ultraviolet and X-Ray Observations of the Seyfert Galaxy NGC 4151. II. Physical Conditions in the UV Absorbers. 167, 161 (2006)
- PETERSON, BRADLEY M. Erratum: "Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. I. A Reverberation-based Measurement of the Black Hole Mass" (*ApJ*, 632, 799 [2005]). *Bradley M. Peterson, Misty C. Bentz, Louis-Benoît Desroches, Alexei V. Filippenko, Luis C. Ho, Shai Kaspi, Ari Laor, Dan Maoz, Edward C. Moran, Richard W. Pogge, and Alice C. Quillen.* 641, 638 (2006)
- See VESTERGAARD, MARIANNE, et al. Determining Central Black Hole Masses in Distant Active Galaxies and Quasars. II. Improved Optical and UV Scaling Relationships. 641, 689 (2006)
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- See METZROTH, KYLE G., et al. The Mass of the Central Black Hole in the Seyfert Galaxy NGC 4151. 647, 901 (2006)
- See DESROCHES, LOUIS-BENOÎT, et al. Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. III. Optical Variability and X-Ray/UV/Optical Correlations. 650, 88 (2006)
- See BENTZ, MISTY C., et al. A Reverberation-based Mass for the Central Black Hole in NGC 4151. 651, 775 (2006)
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- PETERSON, J. R. See GU, M. F., et al. Capella Corona Revisited: A Combined View from *XMM-Newton* RGS and *Chandra* HETGS and LETGS. 649, 979 (2006)
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- PETRIE, G. J. D. Filamentary Loop Systems and Spontaneous Current Sheets in the Solar Corona. *G. J. D. Petrie*. 166, 378 (2006)
- Coronal Loop Widths and Pressure Scale Heights. *G. J. D. Petrie*. 649, 1078 (2006)
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- Magnetic Fields in M Dwarfs: Rapid Magnetic Field Variability in EV Lacertae. *Ngoc Phan-Bao, Eduardo L. Martín, Jean-François Donati, and Jeremy Lim*. 646, L73 (2006)
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- See NOESKE, K. G., et al. Luminous Compact Blue Galaxies up to $z \sim 1$ in the *Hubble Space Telescope* Ultra Deep Field. I. Small Galaxies or Blue Centers of Massive Disks? 640, L143 (2006)
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- Si XII X-Ray Satellite Lines in Solar Flare Spectra. *K. J. H. Phillips, J. Dubau, J. Sylwester, and B. Sylwester*. 638, 1154 (2006)
- RHESSI* Observations of the Solar Flare Iron-Line Feature at 6.7 keV. *K. J. H. Phillips, C. Chifor, and B. R. Dennis*. 647, 1480 (2006)
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- PHILLIPS, N. G. Constraints on the Topology of the Universe from the *Wilkinson Microwave Anisotropy Probe* First-Year Sky Maps. *N. G. Phillips and A. Kogut*. 645, 820 (2006)
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- A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. *F. Piacentini, P. A. R. Ade, J. J. Bock, J. R. Bond, J. Borrill, A. Boscaleri, P. Cabella, C. R. Contaldi, B. P. Crill, P. de Bernardis, G. De Gasperis, A. de Oliveira-Costa, G. De Troia, G. di Stefano, E. Hivon, A. H. Jaffe, T. S. Kisner, W. C. Jones, A. E. Lange, S. Masi, P. D. Mauskopf, C. J. MacTavish, A. Melchiorri, T. E. Montroy, P. Natoli, C. B. Netterfield, E. Pascale, D. Pogosyan, G. Polenta, S.*

- Prunet, S., Ricciardi, G., Romeo, J. E., Ruhl, P., Santini, M., Tegmark, M., Veneziani, and N. Vittorio. 647, 833 (2006)
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- PIAU, L. From First Stars to the Spite Plateau: A Possible Reconciliation of Halo Stars Observations with Predictions from Big Bang Nucleosynthesis. L. Piau, T. C. Beers, D. S. Balsara, T. Sivarani, J. W. Truran, and J. W. Ferguson. 653, 300 (2006)
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- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
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- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- PICCONI, A. See ZURITA, C., et al. The 2005 Outburst of the Halo Black Hole X-Ray Transient XTE J1118+480. 644, 432 (2006)
- PICHARDO, BÁRBARA. See ALLEN, CHRISTINE, et al. The Orbits of 48 Globular Clusters in a Milky Way-like Barred Galaxy. 652, 1150 (2006)
- PICK, M. See WANG, Y.-M., et al. Coronal Holes, Jets, and the Origin of ^3He -rich Particle Events. 639, 495 (2006)
- Solar Source Regions for ^3He -rich Solar Energetic Particle Events Identified Using Imaging Radio, Optical, and Energetic Particle Observations. M. Pick, G. M. Mason, Y.-M. Wang, C. Tan, and L. Wang. 648, 1247 (2006)
- PICKETT, MEGAN K. See BOLEY, AARON C., et al. The Thermal Regulation of Gravitational Instabilities in Protoplanetary Disks. III. Simulations with Radiative Cooling and Realistic Opacities. 651, 517 (2006)
- See CAI, KAI, et al. The Effects of Metallicity and Grain Size on Gravitational Instabilities in Protoplanetary Disks. 636, L149 (2006)
- See CAI, KAI, et al. Erratum: "The Effects of Metallicity and Grain Size on Gravitational Instabilities in Protoplanetary Disks" (ApJ 636, L149 [2006]). 642, L173 (2006)
- PIER, JEFFREY R. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- PIERI, MATTHEW M. The Spatial Distribution of Metals in the Intergalactic Medium. Matthew M. Pieri, Joop Schaye, and Anthony Aguirre. 638, 45 (2006)
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- PIETARILA, A. Simulation of Quiet-Sun Waves in the Ca II Infrared Triplet. A. Pietarila, H. Socas-Navarro, T. Bogdan, M. Carlsson, and R. F. Stein. 640, 1142 (2006)
- PIETRINFERNI, ADRIANO. A Large Stellar Evolution Database for Population Synthesis Studies. II. Stellar Models and Isochrones for an α -enhanced Metal Distribution. Adriano Pietrinferni, Santi Cassisi, Maurizio Salaris, and Fiorella Castelli. 642, 797 (2006)
- PIETRZYŃSKI, G. See SUMI, T., et al. Microlensing Optical Depth toward the Galactic Bulge Using Bright Sources from OGLE-II. 636, 240 (2006)
- See DONG, SUBO, et al. Planetary Detection Efficiency of the Magnification 3000 Microlensing Event OGLE-2004-BLG-343. 642, 842 (2006)
- See SOSZYŃSKI, I., et al. The Araucaria Project: Distance to the Local Group Galaxy NGC 3109 from Near-Infrared Photometry of Cepheids. 648, 375 (2006)
- See ASSEF, R. J., et al. Removing the Microlensing Blending-Parallax Degeneracy Using Source Variability. 649, 954 (2006)
- See GOULD, A., et al. Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. 644, L37 (2006)
- PIETRZYŃSKI, GRZEGORZ. See RIZZI, LUCA, et al. The Araucaria Project: The Distance to NGC 300 from the Red Giant Branch Tip Using *HST* ACS Imaging. 638, 766 (2006)
- The Araucaria Project: The Distance to the Local Group Galaxy IC 1613 from Near-Infrared Photometry of Cepheid Variables. Grzegorz Pietrzyński, Wolfgang Gieren, Igor Soszyński, Fabio Bresolin, Rolf-Peter Kudritzki, Massimo Dall'Ora, Jesper Storm, and Giuseppe Bono. 642, 216 (2006)
- PIETRZYŃSKI, GRZEGORZ. See FERNÁNDEZ, JOSÉ MIGUEL, et al. Millimagnitude Optical Photometry for the Transiting Planetary Candidate OGLE-TR-109. 647, 587 (2006)
- PIETRZYŃSKI, GRZEGORZ. See GIEREN, WOLFGANG, et al. The Araucaria Project: An Accurate Distance to the Local Group Galaxy NGC 6822 from Near-Infrared Photometry of Cepheid Variables. 647, 1056 (2006)
- The Araucaria Project: A Wide-Field Photometric Survey for Cepheid Variables in NGC 3109. Grzegorz Pietrzyński, Wolfgang Gieren, Andrzej Udalski, Igor Soszyński, Fabio Bresolin, Rolf-Peter Kudritzki, Ronald Mennickent, Marcin Kubiak, Michał Szymański, and Sebastian Hidalgo. 648, 366 (2006)
- See BRESOLIN, FABIO, et al. The Araucaria Project: VLT Spectra of Blue Supergiants in WLM—Classification and First Abundances. 648, 1007 (2006)
- PIETSCH, W. M33 X-7: ChASeM33 Reveals the First Eclipsing Black Hole X-Ray Binary. W. Pietsch, F. Haberl, M. Sasaki, T. J. Gaetz, P. P. Plucinsky, P. Ghavamian, K. S. Long, and T. G. Pannuti. 646, 420 (2006)
- PIGNATARI, M. See WINCKLER, N., et al. Lanthanum: An *s*- and *r*-Process Indicator. 647, 685 (2006)
- PHILSTRÖM, YLVA M. See FISH, VINCENT L., et al. Observations of the 6 cm Lines of OH in Evolved (OH/IR) Stars. 653, L45 (2006)
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- PIN, M. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- PINEDA, J. L. See DICKINSON, C., et al. An Upper Limit on Anomalous Dust Emission at 31 GHz in the Diffuse Cloud [LPH96] 201.663+1.643. 643, L111 (2006)
- PINER, B. G. The Fastest Relativistic Jets: VLBA Observations of Blazars with Apparent Speeds Exceeding 25c. B. G. Piner, D. Bhattacharj, P. G. Edwards, and D. L. Jones. 640, 196 (2006)
- PINHO, G. See DULEY, W. W., et al. Detecting Interstellar Alkanes. 642, 966 (2006)
- PINNICK, A. See MCCULLOUGH, P. R., et al. A Transiting Planet of a Sun-like Star. 648, 1228 (2006)
- PINSONNEAULT, M. H. See ANDRONOV, N., et al. Mergers of Close Primordial Binaries. 646, 1160 (2006)
- See DELAHAYE, FRANCK, et al. The Solar Heavy-Element Abundances. I. Constraints from Stellar Interiors. 649, 529 (2006)
- Binaries Like to Be Twins: Implications for Doubly Degenerate Binaries, the Type Ia Supernova Rate, and Other Interacting Binaries. M. H. Pinsonneault and K. Z. Stanek. 639, L67 (2006)
- PINSONNEAULT, MARC. See DENISSEKOV, PAVEL A., et al. Fluorine

- Abundance Variations as a Signature of Enhanced Extra Mixing in Red Giants of the Globular Cluster M4. 651, 438 (2006)
- PINSONNEAULT, MARC H. See SCHULER, SIMON C., et al. Oxygen from the $\lambda 7774$ High-Excitation Triplet in Open Cluster Dwarfs: Hyades. 636, 432 (2006)
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- PINTO, PHILIP A. See YANG, YUJIN, et al. Probing Galaxy Formation with He II Cooling Lines. 640, 539 (2006)
- PIOTTO, G. See FERRARO, F. R., et al. Discovery of Carbon/Oxygen-depleted Blue Straggler Stars in 47 Tucanae: The Chemical Signature of a Mass Transfer Formation Process. 647, L53 (2006)
- PIOTTO, GIAMPAOLO. See CARRARO, GIOVANNI, et al. NGC 6791: An Exotic Open Cluster or the Nucleus of a Tidally Disrupted Galaxy? 643, 1151 (2006)
- PIPHER, J. L. See SONNENTRUCKER, P., et al. Gas-Phase CO₂ Emission toward Cepheus A East: The Result of Shock Activity? 650, L71 (2006)
- PIPHER, JUDITH L. See SMITH, HOWARD A., et al. Outflows from Massive Young Stellar Objects as Seen with the Infrared Array Camera. 645, 1264 (2006)
- See NEUFELD, DAVID A., et al. *Spitzer* Observations of HH 54 and HH 7–11: Mapping the H₂ Ortho-to-Para Ratio in Shocked Molecular Gas. 649, 816 (2006)
- PIPINO, ANTONIO. The Outside-In Formation of Elliptical Galaxies. *Antonio Pipino, Francesca Matteucci, and Cristina Chiappini*. 638, 739 (2006)
- PIRAN, T. See CENKO, S. B., et al. Multiwavelength Observations of GRB 050820A: An Exceptionally Energetic Event Followed from Start to Finish. 652, 490 (2006)
- PIRAN, TSVI. See NAKAR, EHUD, et al. The Distances of Short-Hard Gamma-Ray Bursts and the Soft Gamma-Ray Repeater Connection. 640, 849 (2006)
- PIRANOMONTE, S. See DELLA VALLE, M., et al. Hypernova Signatures in the Late Rebrightening of GRB 050525A. 642, L103 (2006)
- PIRO, ANTHONY L. The Energy Dependence of Neutron Star Surface Modes and X-Ray Burst Oscillations. *Anthony L. Piro and Lars Bildsten*. 638, 968 (2006)
- PIRO, L. See DELLA VALLE, M., et al. Hypernova Signatures in the Late Rebrightening of GRB 050525A. 642, L103 (2006)
- PIRSKAL, N. See PASQUALI, A., et al. The Structure and Star Formation History of Early-Type Galaxies in the Ultra Deep Field/GRAPES Survey. 636, 115 (2006)
- Morphology and Evolution of Emission-Line Galaxies in the Hubble Ultra Deep Field. *N. Pirskhal, C. Xu, J. Ferreras, S. Malhotra, B. Mobasher, J. E. Rhoads, A. Pasquali, N. Panagia, A. M. Koekemoer, H. C. Ferguson, and C. Gronwall*. 636, 582 (2006)
- See COHEN, S. H., et al. Clues to Active Galactic Nucleus Growth from Optically Variable Objects in the Hubble Ultra Deep Field. 639, 731 (2006)
- See MARASTON, C., et al. Evidence for TP-AGB Stars in High-Redshift Galaxies, and Their Effect on Deriving Stellar Population Parameters. 652, 85 (2006)
- See CLAYTON, GEOFFREY C., et al. V605 Aquilae: The Older Twin of Sakurai's Object. 646, L69 (2006)
- PISANO, D. J. See MCCLURE-GRIFFITHS, N. M., et al. Evidence for Chimney Breakout in the Galactic Supershell GSH 242–03+37. 638, 196 (2006)
- See BUYLE, P., et al. The H I Content of E+A Galaxies. 649, 163 (2006)
- PITA, S. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- PITTSCHOVÁ, JANA. See KELLEY, MICHAEL S., et al. A *Spitzer* Study of Comets 2P/Encke, 67P/Churyumov-Gerasimenko, and C/2001 HT50 (LINEAR-NEAT). 651, 1256 (2006)
- PIVOVAROFF, M. J. See DELANEY, T., et al. Time Variability in the X-Ray Nebula Powered by Pulsar B1509–58. 640, 929 (2006)
- See GONZALEZ, M. E., et al. *Chandra* and *XMM-Newton* Observations of the Vela-like Pulsar B1046–58. 652, 569 (2006)
- PLANESAS, P. See GRACIÁ-CARPIO, J., et al. Is HCN a True Tracer of Dense Molecular Gas in Luminous and Ultraluminous Infrared Galaxies? 640, L135 (2006)
- See GARCÍA-BURILLO, S., et al. A New Probe of Dense Gas at High Redshift: Detection of HCO⁺ (5–4) Line Emission in APM 08279+5255. 645, L17 (2006)
- See FUENTE, A., et al. A Keplerian Gaseous Disk around the B0 Star R Monocerotis. 649, L119 (2006)
- PLEZ, BERTRAND. See LEVESQUE, EMILY M., et al. The Effective Temperatures and Physical Properties of Magellanic Cloud Red Supergiants: The Effects of Metallicity. 645, 1102 (2006)
- See MASSEY, PHILIP, et al. Bringing VY Canis Majoris Down to Size: An Improved Determination of Its Effective Temperature. 646, 1203 (2006)
- PLIONIS, M. See KOULOURIDIS, E., et al. Local and Large-Scale Environment of Seyfert Galaxies. 639, 37 (2006)
- Morphological and Dynamical Properties of Low-Redshift Two Degree Field Galaxy Redshift Survey Groups. *M. Plionis, S. Basilakos, and C. Ragoni-Figueroa*. 650, 770 (2006)
- PLIONIS, MANOLIS. See KOULOURIDIS, ELIAS, et al. A Three-dimensional Study of the Local Environment of Bright IRAS Galaxies: The Active Galactic Nucleus–Starburst Connection. 651, 93 (2006)
- See BASILAKOS, SPYROS, et al. Constraining the Cold Dark Matter Spectrum Normalization in Flat Dark Energy Cosmologies. 650, L1 (2006)
- PLOTKIN, RICHARD M. See SZKODY, PAULA, et al. *GALEX* and Optical Light Curves of EF Eridani during a Low State: The Puzzling Source of Ultraviolet Light. 646, L147 (2006)
- PLOUIN, F. See CODINO, A., et al. The Extension and Shape of the Collecting Zones of the Galactic Cosmic Rays from Helium to Iron. 639, 173 (2006)
- PLUCINSKY, P. P. See PIETSCH, W., et al. M33 X-7: ChASeM33 Reveals the First Eclipsing Black Hole X-Ray Binary. 646, 420 (2006)
- PLUCINSKY, PAUL P. See SASAKI, MANAMI, et al. Far-Ultraviolet and X-Ray Observations of the Reverse Shock in the Small Magellanic Cloud Supernova Remnant 1E 0102.2–7219. 642, 260 (2006)
- See SASAKI, MANAMI, et al. Evidence for Shocked Molecular Gas in the Galactic Supernova Remnant CTB 109 (G109.1–1.0). 642, L149 (2006)
- PLUME, R. See RAGAN, S. E., et al. Molecular Line Observations of Infrared Dark Clouds: Seeking the Precursors to Intermediate and Massive Star Formation. 166, 567 (2006)
- See KLAASSEN, P. D., et al. The Possibly Remnant Massive Outflow in G5.89–0.39. I. Observations and Initial Magnetohydrodynamic Simulations. 648, 1079 (2006)
- PLUZHNIK, E. A. See GUYON, O., et al. Theoretical Limits on Extrasolar Terrestrial Planet Detection with Coronagraphs. 167, 81 (2006)
- PLUZHNIK, EUGENE A. See MARTINACHE, FRANTZ, et al. Exoplanet Imaging with a Phase-induced Amplitude Apodization Coronagraph. II. Performance. 639, 1129 (2006)
- Exoplanet Imaging with a Phase-induced Amplitude Apodization Coronagraph. III. Diffraction Effects and Coronagraph Design. *Eugene A. Pluzhnik, Olivier Guyon, Stephen T. Ridgway, Frantz Martinache, Robert A. Woodruff, Celia Blain, and Raphael Galicher*. 644, 1246 (2006)
- PLYMATE, CLAUDE. See AYRES, THOMAS R., et al. Solar Carbon Monoxide, Thermal Profiling, and the Abundances of C, O, and Their Isotopes. 165, 618 (2006)
- PODOLAK, M. See LECAR, M., et al. On the Location of the Snow Line in a Protoplanetary Disk. 640, 1115 (2006)
- PODSIADLOWSKI, PH. See MADHUSUDHAN, N., et al. Models of Ultraluminous X-Ray Sources with Intermediate-Mass Black Holes. 640, 918 (2006)
- POEDTS, STEFAAN. See SHERGELASHVILI, BIDZINA M., et al. Nonmodal Cascade in the Compressible Solar Atmosphere: Self-Heating, an Alternative Way to Enhance Wave Heating. 642, L73 (2006)
- POGGE, R. W. See DONG, SUBO, et al. Planetary Detection Efficiency of the Magnification 3000 Microlensing Event OGLE-2004-BLG-343. 642, 842 (2006)
- See GOULD, A., et al. Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. 644, L37 (2006)
- POGGE, RICHARD W. See KASSIN, SUSAN A., et al. Dark and Baryonic Matter in Bright Spiral Galaxies. I. Near-Infrared and Optical Broadband Surface Photometry of 30 Galaxies. 162, 80 (2006)
- See RICE, MELISSA S., et al. Spatially Resolved Narrow-Line Region Kinematics in Active Galactic Nuclei. 636, 654 (2006)
- See PETERSON, BRADLEY M., et al. Erratum: "Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. I. A Reverberation-based Measurement of the Black Hole Mass" (ApJ, 632, 799 [2005]). 641, 638 (2006)
- See BENTZ, MISTY C., et al. The Radius-Luminosity Relationship for Active Galactic Nuclei: The Effect of Host-Galaxy Starlight on Luminosity Measurements. 644, 133 (2006)
- See BENTZ, MISTY C., et al. A Reverberation-based Mass for the Central Black Hole in NGC 4151. 651, 775 (2006)
- See DENNEY, KELLY D., et al. The Mass of the Black Hole in the Seyfert 1 Galaxy NGC 4593 from Reverberation Mapping. 653, 152 (2006)
- POGGIANTI, B. M. See HORNSCHMEIER, A. E., et al. *Chandra* X-Ray

- Observations of Galaxies in an Off-Center Region of the Coma Cluster. 643, 144 (2006)
- POGGIANTI, BIANCA M. The Evolution of the Star Formation Activity in Galaxies and Its Dependence on Environment. *Bianca M. Poggianti, Anja von der Linden, Gabriella De Lucia, Vandana Desai, Luc Simard, Claire Halliday, Alfonso Aragón-Salamanca, Richard Bower, Jesus Varela, Philip Best, Douglas I. Clowe, Julianne Dalcanton, Pascale Jablonka, Bo Milvang-Jensen, Roser Pello, Gregory Rudnick, Roberto Saglia, Simon D. M. White, and Dennis Zaritsky.* 642, 188 (2006)
- POGORELOV, NIKOLAI V. Three-dimensional Features of the Outer Heliosphere due to Coupling between the Interstellar and Interplanetary Magnetic Fields. II. The Presence of Neutral Hydrogen Atoms. *Nikolai V. Pogorelov, Gary P. Zank, and Tatsuki Ogino.* 644, 1299 (2006)
- The Direction of the Neutral Hydrogen Velocity in the Inner Heliosphere as a Possible Interstellar Magnetic Field Compass. *Nikolai V. Pogorelov and Gary P. Zank.* 636, L161 (2006)
- POGOSYAN, D. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- See LAZARIAN, A., et al. Studying Turbulence Using Doppler-broadened Lines: Velocity Coordinate Spectrum. 652, 1348 (2006)
- POHL, M. See REBILLOT, P. F., et al. Multiwavelength Observations of the Blazar Markarian 421 in 2002 December and 2003 January. 641, 740 (2006)
- See PERKINS, J. S., et al. TeV Gamma-Ray Observations of the Perseus and Abell 2029 Galaxy Clusters. 644, 148 (2006)
- See GUTIERREZ, K., et al. Multiwavelength Observations of IES 1959+650, 1 Year after the Strong Outburst of 2002. 644, 742 (2006)
- See REIMER, A., et al. Nonthermal High-Energy Emission from Colliding Winds of Massive Stars. 644, 1118 (2006)
- POHL, MARTIN. See NIEMIEC, JACEK, et al. Cosmic-Ray Acceleration at Ultrarelativistic Shock Waves: Effects of Downstream Short-Wave Turbulence. 650, 1020 (2006)
- POIDEVIN, F. Comparison of Magnetic Field Structures on Different Scales in and around the Filamentary Dark Cloud GF 9. *F. Poidevin and P. Bastien.* 650, 945 (2006)
- POINDESTER, S. D. See GOULD, A., et al. Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. 644, L37 (2006)
- POINTS, S. D. See SEWARD, F. D., et al. *Chandra* Observation of the Magellanic Cloud Supernova Remnant 0454-67.2 in N9. 640, 327 (2006)
- POINTS, SEAN. See BORKOWSKI, KAZIMIERZ J., et al. Dust Destruction in Type Ia Supernova Remnants in the Large Magellanic Cloud. 642, L141 (2006)
- See WILLIAMS, BRIAN J., et al. Dust Destruction in Fast Shocks of Core-Collapse Supernova Remnants in the Large Magellanic Cloud. 652, L33 (2006)
- POLAK, ALLYSON A. See MAJEWSKI, STEVEN R., et al. Measuring Fundamental Galactic Parameters with Stellar Tidal Streams and *SIM PlanetQuest*. 637, L25 (2006)
- POLENTA, G. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- POLETTA, G. See BEMPORAD, A., et al. Current Sheet Evolution in the Aftermath of a CME Event. 638, 1110 (2006)
- POLITANO, MICHAEL. The Distribution of Secondary Masses in Post-Common-Envelope Binaries: A Potential Test of Disrupted Magnetic Braking. *Michael Politano and Kevin P. Weiler.* 641, L137 (2006)
- POLLACK, L. K. See RODRIGUEZ, C., et al. A Compact Supermassive Binary Black Hole System. 646, 49 (2006)
- POLLER, M. See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- POLLETTA, M. See WEEDMAN, D., et al. Active Galactic Nucleus and Starburst Classification from *Spitzer* Mid-Infrared Spectra for High-Redshift SWIRE Sources. 653, 101 (2006)
- See FARRAH, D., et al. The Spatial Clustering of Ultraluminous Infrared Galaxies over $1.5 < z < 3$. 641, L17 (2006)
- See FARRAH, D., et al. Erratum: "The Spatial Clustering of Ultraluminous Infrared Galaxies over $1.5 < z < 3$ " (ApJ 641, L17 [2006]). 643, L139 (2006)
- POLLETTA, MARIA DEL CARMEN. *Chandra* and *Spitzer* Unveil Heavily Obscured Quasars in the *Chandra*/SWIRE Survey. *Maria del Carmen Polletta, Belinda J. Wilkes, Brian Siana, Carol J. Lonsdale, Roy Kilgard, Harding E. Smith, Dong-Woo Kim, Fraser Owen, Andreas Efstathiou, Tom Jarrett, Gordon Stacey, Alberto Franceschini, Michael Rowan-Robinson, Tom S. R. Babbedge, Stefano Berta, Fan Fang, Duncan Farrah, Eduardo González-Solares, Glenn Morrison, Jason A. Surace, and Dave L. Shupe.* 642, 673 (2006)
- POLOMSKI, E. F. See SMITH, P. S., et al. *Spitzer* Far-Infrared Detections of Cold Circumstellar Disks. 644, L125 (2006)
- See BARMBY, P., et al. Dusty Waves on a Starry Sea: The Mid-Infrared View of M31. 650, L45 (2006)
- POLOMSKI, ELISHA. See BUCKALEW, BRENT A., et al. Understanding Radio-selected Thermal Sources in M33: Ultraviolet, Optical, Near-Infrared, *Spitzer* Mid-Infrared, and Radio Observations. 162, 329 (2006)
- See JACKSON, DALE C., et al. Hot Dust and Polycyclic Aromatic Hydrocarbon Emission at Low Metallicity: A *Spitzer* Survey of Local Group and Other Nearby Dwarf Galaxies. 646, 192 (2006)
- See KELLEY, MICHAEL S., et al. A *Spitzer* Study of Comets 2P/Encke, 67P/Churyumov-Gerasimenko, and C/2001 HT50 (LINEAR-NEAT). 651, 1256 (2006)
- POLOMSKI, ELISHA F. See LEE, HENRY, et al. On Extending the Mass-Metallicity Relation of Galaxies by 2.5 Decades in Stellar Mass. 647, 970 (2006)
- POLT, R. See HALFEN, D. T., et al. A Systematic Study of Glycolaldehyde in Sagittarius B2(N) at 2 and 3 mm: Criteria for Detecting Large Interstellar Molecules. 639, 237 (2006)
- POMMOIS, P. See ZIMBARDO, G., et al. Superdiffusive and Subdiffusive Transport of Energetic Particles in Solar Wind Anisotropic Magnetic Turbulence. 639, L91 (2006)
- PONMAN, T. J. See BALDI, A., et al. Chemical Enrichment of the Complex Hot ISM of the Antennae Galaxies. I. Spatial and Spectral Analysis of the Diffuse X-Ray Emission. 162, 113 (2006)
- See ZEAS, A., et al. *Chandra* Monitoring Observations of The Antennae Galaxies. I. Catalog of Source Properties. 166, 211 (2006)
- See BALDI, A., et al. Chemical Enrichment of the Complex Hot ISM of the Antennae Galaxies. II. Physical Properties of the Hot Gas and Supernova Feedback. 636, 158 (2006)
- PONS, JOSÉ A. See ANTÓN, LUIS, et al. Numerical 3+1 General Relativistic Magnetohydrodynamics: A Local Characteristic Approach. 637, 296 (2006)
- PONT, F. See BAKOS, G. Á., et al. Refined Parameters of the Planet Orbiting HD 189733. 650, 1160 (2006)
- PONTIN, D. I. Dynamic Three-dimensional Reconnection in a Separator Geometry with Two Null Points. *D. I. Pontin and I. J. D. Craig.* 642, 568 (2006)
- PONTOPPIDAN, K. M. See LAHUIS, F., et al. Hot Organic Molecules toward a Young Low-Mass Star: A Look at Inner Disk Chemistry. 636, L145 (2006)
- PONTOPPIDAN, KLAUS M. See KESSLER-SILACCI, JACQUELINE, et al. *c2d Spitzer* IRS Spectra of Disks around T Tauri Stars. I. Silicate Emission and Grain Growth. 639, 275 (2006)
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- A Strong X-Ray Flux Ratio Anomaly in the Quadruply Lensed Quasar PG 1115+080. David Pooley, Jeffrey A. Blackburne, Saul Rappaport, Paul L. Schechter, and Wen-fai Fong. 648, 67 (2006)
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- X-Rays from the Globular Cluster G1: Intermediate-Mass Black Hole or Low-Mass X-Ray Binary? David Pooley and Saul Rappaport. 644, L45 (2006)
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- Erratum: "Balmer Lines as Diagnostics of Physical Conditions in Active Galactic Nuclei Broad Emission Line Regions" (ApJ, 599, 140 [2003]). L. Č. Popović. 650, 1217 (2006)
- POPPIZ, W. See JÄGER, C., et al. Identification and Spectral Properties of Polycyclic Aromatic Hydrocarbons in Carbonaceous Soot Produced by Laser Pyrolysis. 166, 557 (2006)
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- The Galaxy Hosts and Large-Scale Environments of Short-Hard Gamma-Ray Bursts. J. X. Prochaska, J. S. Bloom, H.-W. Chen, R. J. Foley, D. A. Perley, E. Ramirez-Ruiz, J. Granot, W. H. Lee, D. Pooley, K. Alatalo, K. Hurley, M. C. Cooper, A. K. Dupree, B. F. Gerke, B. M. S. Hansen, J. S. Kalirai, J. A. Newman, R. M. Rich, H. Richer, S. A. Stanford, D. Stern, and W. J. M. van Breugel. 642, 989 (2006)
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- On the Perils of Curve-of-Growth Analysis: Systematic Abundance Underestimates for the Gas in Gamma-Ray Burst Host Galaxies. Jason X. Prochaska. 650, 272 (2006)
- See HENNAWI, JOSEPH F., et al. Quasars Probing Quasars. I. Optically Thick Absorbers near Luminous Quasars. 651, 61 (2006)
- See COOKE, JEFF, et al. Survey for Galaxies Associated with $z \sim 3$ Damped Ly α Systems. II. Galaxy-Absorber Correlation Functions. 652, 994 (2006)
- See COOKE, JEFF, et al. Measurement of the Spatial Cross-Correlation Function of Damped Ly α Systems and Lyman Break Galaxies. 636, L9 (2006)
- See DESSAUGES-ZAVADSKY, MIROSLAVA, et al. Temporal Variation in the Abundance of Excited Fe⁺ Near a Gamma-Ray Burst Afterglow. 648, L89 (2006)
- See PROCHTER, GABRIEL E., et al. On the Incidence of Strong Mg II Absorbers along Gamma-Ray Burst Sight Lines. 648, L93 (2006)
- Supersolar Super-Lyman Limit Systems. Jason X. Prochaska, John M. O'Meara, Stéphane Herbert-Fort, Scott Burles, Gabriel E. Prochter, and Rebecca A. Bernstein. 648, L97 (2006)
- See O'MEARA, JOHN M., et al. The Deuterium-to-Hydrogen Abundance Ratio toward the QSO SDSS J155810.16–003120.0. 649, L61 (2006)
- PROCHTER, GABRIEL E. See O'MEARA, JOHN M., et al. The Deuterium-to-Hydrogen Abundance Ratio toward the QSO SDSS J155810.16–003120.0. 649, L61 (2006)
- PROCHTER, GABRIEL E. On the Incidence and Kinematics of Strong Mg II Absorbers. Gabriel E. Prochter, Jason X. Prochaska, and Scott M. Burles. 639, 766 (2006)
- On the Incidence of Strong Mg II Absorbers along Gamma-Ray Burst Sight Lines. Gabriel E. Prochter, Jason X. Prochaska, Hsiao-Wen Chen, Joshua S. Bloom, Miroslava Dessauges-Zavadsky, Ryan J. Foley, Sebastian Lopez, Max Pettini, Andrea K. Dupree, and P. Guhathakurta. 648, L93 (2006)
- See PROCHASKA, JASON X., et al. Supersolar Super-Lyman Limit Systems. 648, L97 (2006)
- PROCTOR, D. D. Comparing Pattern Recognition Feature Sets for Sorting Triples in the FIRST Database. D. D. Proctor. 165, 95 (2006)
- PRODANOVIĆ, TIJANA. Can Galactic Cosmic Rays Account for Solar ⁶Li without Overproducing Gamma Rays? Tijana Prodanović and Brian D. Fields. 645, L125 (2006)
- PRODUIT, N. See BECKMANN, V., et al. The Hard X-Ray 20–40 keV AGN Luminosity Function. 652, 126 (2006)
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- PRONIK, VLADIMIR I. See BENTZ, MISTY C., et al. A Reverberation-based Mass for the Central Black Hole in NGC 4151. 651, 775 (2006)
- See DENNEY, KELLY D., et al. The Mass of the Black Hole in the Seyfert 1 Galaxy NGC 4593 from Reverberation Mapping. 653, 152 (2006)
- PROSZKOW, EVA M. See ADAMS, FRED C., et al. Early Evolution of Stellar Groups and Clusters: Environmental Effects on Forming Planetary Systems. 641, 504 (2006)
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- PROULX, Z. F. See LOMBARDI, J. C., JR., et al. Stellar Collisions and Ultracompact X-Ray Binary Formation. 640, 441 (2006)
- PROVENCAL, J. L. See VUČKOVIĆ, M., et al. Whole Earth Telescope Observations of the Pulsating Subdwarf B Star PG 0014+067. 646, 1230 (2006)
- PRUET, J. Nucleosynthesis in Early Supernova Winds. II. The Role of Neutrinos. J. Pruet, R. D. Hoffman, S. E. Woosley, H.-T. Janka, and R. Buras. 644, 1028 (2006)
- PRUNET, S. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- PRYOR, CARLTON. See McLAUGHLIN, DEAN E., et al. *Hubble Space Telescope* Proper Motions and Stellar Dynamics in the Core of the Globular Cluster 47 Tucanae. 166, 249 (2006)
- PRZYBILLA, N. See BONANOS, A. Z., et al. The First DIRECT Distance Determination to a Detached Eclipsing Binary in M33. 652, 313 (2006)
- See NIEVA, M. F., et al. C II Abundances in Early-Type Stars: Solution to a Notorious Non-LTE Problem. 639, L39 (2006)
- PSALTIS, DIMITRIOS. See GALLOWAY, DUNCAN K., et al. Eddington-limited X-Ray Bursts as Distance Indicators. II. Possible Compositional Effects in Bursts from 4U 1636–536. 639, 1033 (2006)
- See CHAN, CHI-KWAN, et al. Spectral Methods for Time-dependent Studies

- of Accretion Flows. II. Two-dimensional Hydrodynamic Disks with Self-Gravity. 645, 506 (2006)
- PTAK, A. See GRIMES, J. P., et al. Far-Ultraviolet and X-Ray Observations of VV 114: Feedback in a Local Analog to Lyman Break Galaxies. 648, 310 (2006)
- PTAK, ANDREW. Optical Counterparts of Ultraluminous X-Ray Sources Identified from Archival *HST* WFPC2 Images. Andrew Ptak, Ed Colbert, Roeland P. van der Marel, Erin Royce, Tim Heckman, and Brian Towne. 166, 154 (2006)
- Type II Quasars from the Sloan Digital Sky Survey. IV. *Chandra* and *XMM-Newton* Observations Reveal Heavily Absorbed Sources. Andrew Ptak, Nadia L. Zakamska, Michael A. Strauss, Julian H. Krolik, Timothy M. Heckman, Donald P. Schneider, and Jon Brinkmann. 637, 147 (2006)
- PTUSKIN, VLADIMIR S. Dissipation of Magnetohydrodynamic Waves on Energetic Particles: Impact on Interstellar Turbulence and Cosmic-Ray Transport. Vladimir S. Ptuskin, Igor V. Moskalenko, Frank C. Jones, Andrew W. Strong, and Vladimir N. Zirakashvili. 642, 902 (2006)
- PU, J. See FUKAZAWA, Y., et al. Scaling Mass Profiles around Elliptical Galaxies Observed with *Chandra* and *XMM-Newton*. 636, 698 (2006)
- PUDRITZ, RALPH E. See BANERJEE, ROBI, et al. Outflows and Jets from Collapsing Magnetized Cloud Cores. 641, 949 (2006)
- PUGA, E. Outflows, Disks, and Stellar Content in a Region of High-Mass Star Formation: G5.89–0.39 with Adaptive Optics. E. Puga, M. Feldt, C. Alvarez, Th. Henning, D. Apai, E. Le Coarer, A. Chalaebayev, and B. Stecklum. 641, 373 (2006)
- PUGET, J.-L. See CAPUTI, K. I., et al. Linking Stellar Mass and Star Formation in *Spitzer* MIPS 24 μ m Galaxies. 637, 727 (2006)
- PÜHLHOFER, G. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- PULONE, L. See DEL PRINCE, M., et al. A Pulsational Distance to ω Centauri Based on Near-Infrared Period-Luminosity Relations of RR Lyrae Stars. 652, 362 (2006)
- PUN, C. S. J. See HENG, KEVIN, et al. Evolution of the Reverse Shock Emission from SNR 1987A. 644, 959 (2006)
- PUNCH, M. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- PUNSLY, BRIAN. X-Ray Absorption in Type II Quasars: Implications for the Equatorial Paradigm of Broad Absorption Line Quasars. Brian Punsly. 647, 886 (2006)
- PKS 1018–42: A Powerful, Kinetically Dominated Quasar. Brian Punsly and Steven J. Tingay. 640, L21 (2006)
- 3C 216: A Powerful FR II Seyfert 1 Galaxy. Brian Punsly. 651, L17 (2006)
- PUTMAN, M. E. See MEURER, GERHARDT R., et al. The Survey for Ionization in Neutral Gas Galaxies. I. Description and Initial Results. 165, 307 (2006)
- Potential Condensed Fuel for the Milky Way. M. E. Putman. 645, 1164 (2006)
- See HANISH, D. J., et al. The Survey for Ionization in Neutral Gas Galaxies. II. The Star Formation Rate Density of the Local Universe. 649, 150 (2006)
- See THOM, C., et al. The Galactic Nature of High-Velocity Cloud Complex WB. 638, L97 (2006)
- PUTMAN, MARY. See STANIMIROVIĆ, SNEŽANA, et al. First Results from the Arcibo Galactic H I Survey: The Disk/Halo Interface Region in the Outer Galaxy. 653, 1210 (2006)
- PUZIA, THOMAS H. Extremely α -Enriched Globular Clusters in Early-Type Galaxies: A Step toward the Dawn of Stellar Populations? Thomas H. Puzia, Markus Kissler-Patig, and Paul Goudfrootj. 648, 383 (2006)
- See CHANDAR, RUPALI, et al. A Genuine Intermediate-Age Globular Cluster in M33. 646, L107 (2006)
- PUZZARINI, CRISTINA. See CAZZOLI, GABRIELE, et al. Observation of OD⁺ Using Microwave Spectroscopy: A New Candidate for Astrophysical Detection? 648, L79 (2006)
- PYCH, WOJTEK. See FOLATELLI, GASTÓN, et al. SN 2005bf: A Possible Transition Event between Type Ib/c Supernovae and Gamma-Ray Bursts. 641, 1039 (2006)
- PYLE, R. See RUFFOLO, D., et al. Relativistic Solar Protons on 1989 October 22: Injection and Transport along Both Legs of a Closed Interplanetary Magnetic Loop. 639, 1186 (2006)
- PYO, T.-S. See TAKAMI, M., et al. Subaru IR Echelle Spectroscopy of Herbig-Haro Driving Sources. I. H₂ and [Fe II] Emission. 641, 357 (2006)
- See DAVIS, C. J., et al. Adaptive-Optics-Assisted Near-Infrared Spectroscopy of SVS 13 and Its Jet. 639, 969 (2006)
- PYO, TAE-SOO. See KONDO, SOHEI, et al. First Detection of Na I D Lines in High-Redshift Damped Ly α Systems. 643, 667 (2006)
- See CHOI, MINHO, et al. Variability of the NGC 1333 IRAS 4A Outflow: Molecular Hydrogen and Silicon Monoxide Images. 646, 1050 (2006)
- Adaptive Optics Spectroscopy of the [Fe II] Outflows from HL Tauri and RW Aurigae. Tae-Soo Pyo, Masahiko Hayashi, Naoto Kobayashi, Alan T. Tokunaga, Hiroshi Terada, Hideki Takami, Naruhisa Takato, Christopher J. Davis, Michihiro Takami, Saeko S. Hayashi, Wolfgang Gässler, Shin Oya, Yutaka Hayano, Yukiko Kamata, Yosuke Minowa, Masanori Iye, Tomonori Usuda, Takayuki Nishikawa, and Ko Nedachi. 649, 836 (2006)
- QI, CHUNHUA. CO J = 6–5 Observations of TW Hydrae with the Submillimeter Array. Chunhua Qi, David J. Wilner, Nuria Calvet, Tyler L. Bourke, Geoffrey A. Blake, Michiel R. Hogerheijde, Paul T. P. Ho, and Edwin Bergin. 636, L157 (2006)
- QIAN, SHENG-BANG. See CHEN, WEN-CONG, et al. Orbital Evolution of Algol Binaries with a Circumbinary Disk. 649, 973 (2006)
- QIAO, G. J. See HAN, J. L., et al. Pulsar Rotation Measures and the Large-Scale Structure of the Galactic Magnetic Field. 642, 868 (2006)
- QIN, G. Parallel Diffusion of Charged Particles in Strong Two-dimensional Turbulence. G. Qin, W. H. Matthaeus, and J. W. Bieber. 640, L103 (2006)
- QIU, J. See LI, K. J., et al. Does High-Latitude Solar Activity Lead Low-Latitude Solar Activity in Time Phase? 646, 1392 (2006)
- QIU, Y. See BUTLER, N. R., et al. When Do Internal Shocks End and External Shocks Begin? Early-Time Broadband Modeling of GRB 051111. 652, 1390 (2006)
- QU, J. L. See DING, G. Q., et al. Evolution of Hard X-Ray Spectra along the Orbital Phase in Circinus X-1. 645, 576 (2006)
- QU, JINLU. See ZHANG, FAN, et al. Timing Features of the Accretion-driven Millisecond X-Ray Pulsar XTE J1807–294 in the 2003 March Outburst. 646, 1116 (2006)
- QUADRI, R. See VAN DOKKUM, P. G., et al. The Space Density and Colors of Massive Galaxies at $2 < z < 3$: The Predominance of Distant Red Galaxies. 638, L59 (2006)
- QUADRI, RYAN. See GAWISER, ERIC, et al. The Multiwavelength Survey by Yale-Chile (MUSYC): Survey Design and Deep Public *UBVRiz* Images and Catalogs of the Extended Hubble Deep Field–South. 162, 1 (2006)
- See KRIEK, MARISKA, et al. Direct Measurements of the Stellar Continuum and Balmer/4000 Å Breaks of Red $z > 2$ Galaxies: Redshifts and Improved Constraints on Stellar Populations. 645, 44 (2006)
- See WEBB, TRACY M. A., et al. Star Formation in Distant Red Galaxies: *Spitzer* Observations in the Hubble Deep Field–South. 636, L17 (2006)
- See GAWISER, ERIC, et al. The Physical Nature of Ly α -emitting Galaxies at $z = 3.1$. 642, L13 (2006)
- See KRIEK, MARISKA, et al. Spectroscopic Identification of Massive Galaxies at $z \sim 2.3$ with Strongly Suppressed Star Formation. 649, L71 (2006)
- QUANZ, S. P. FU Orionis: The MIDI VLT Perspective. S. P. Quanz, Th. Henning, J. Bouwman, Th. Ratzka, and Ch. Leinert. 648, 472 (2006)
- QUATAERT, E. See GILLESSEN, S., et al. Variations in the Spectral Slope of Sagittarius A* during a Near-Infrared Flare. 640, L163 (2006)
- QUATAERT, ELIOT. See SHARMA, PRATEEK, et al. Shearing Box Simulations of the MRI in a Collisionless Plasma. 637, 952 (2006)
- See XU, YA-DI, et al. Thermal X-Ray Iron Line Emission from the Galactic Center Black Hole Sagittarius A*. 640, 319 (2006)
- See THOMPSON, TODD A., et al. Magnetic Fields in Starburst Galaxies and the Origin of the FIR-Radio Correlation. 645, 186 (2006)
- See HOWES, GREGORY G., et al. Astrophysical Gyrokinetics: Basic Equations and Linear Theory. 651, 590 (2006)
- QUELOZ, D. See BAKOS, G. Á., et al. Refined Parameters of the Planet Orbiting HD 189733. 650, 1160 (2006)
- QUILIS, V. See CARRETERO, C., et al. CGCG 480–022: A Distant Lonesome Merger? 648, L115 (2006)
- QUILLEN, ALICE. See MADRID, JUAN P., et al. *Hubble Space Telescope* Near-Infrared Snapshot Survey of 3CR Radio Source Counterparts at Low Redshift. 164, 307 (2006)
- See FLOYD, DAVID J. E., et al. An Optical-Infrared Jet in 3C 133. 643, 660 (2006)
- QUILLEN, ALICE C. The Warped Circumstellar Disk of HD 100546. Alice C. Quillen. 640, 1078 (2006)
- See VARNIÈRE, P., et al. Planets Rapidly Create Holes in Young Circumstellar Disks. 640, 1110 (2006)
- See PETERSON, BRADLEY M., et al. Erratum: “Multiwavelength Monitoring of the Dwarf Seyfert 1 Galaxy NGC 4395. I. A Reverberation-based Measurement of the Black Hole Mass” (ApJ, 632, 799 [2005]). 641, 638 (2006)

- See TREMBLAY, GRANT R., et al. The Warped Nuclear Disk of Radio Galaxy 3C 449. 643, 101 (2006)
- Spitzer* Observations of the Dusty Warped Disk of Centaurus A. *Alice C. Quillen, Mairi H. Brookes, Jocelyn Keene, Daniel Stern, Charles R. Lawrence, and Michael W. Werner.* 645, 1092 (2006)
- See CUNNINGHAM, ANDREW J., et al. Outflow-driven Cavities: Numerical Simulations of Intermediaries of Protostellar Turbulence. 653, 416 (2006)
- See VARNIERE, PEGGY, et al. Observational Properties of Protoplanetary Disk Gaps. 637, L125 (2006)
- Discovery of a 500 Parsec Shell in the Nucleus of Centaurus A. *Alice C. Quillen, Joss Bland-Hawthorn, Mairi H. Brookes, Michael W. Werner, J. D. Smith, Daniel Stern, Jocelyn Keene, and Charles R. Lawrence.* 641, L29 (2006)
- QUIMBY, R. M. See YOST, S. A., et al. Optical Light Curve and Cooling Break of GRB 050502A. 636, 959 (2006)
- Early-Time Observations of the GRB 050319 Optical Transient. *R. M. Quimby, E. S. Rykoff, S. A. Yost, F. Aharonian, C. W. Akerlof, K. Alatalo, M. C. B. Ashley, E. Göğüş, T. Güver, D. Horns, R. L. Kehoe, Ü. Kızıloğlu, T. A. McKay, M. Özel, A. Phillips, B. E. Schaefer, D. A. Smith, H. F. Swan, W. T. Vestrand, J. C. Wheeler, and J. Wren.* 640, 402 (2006)
- See RYKOFF, E. S., et al. The Anomalous Early Afterglow of GRB 050801. 638, L5 (2006)
- QUIMBY, ROBERT. SN 2005cg: Explosion Physics and Circumstellar Interaction of a Normal Type Ia Supernova in a Low-Luminosity Host. *Robert Quimby, Peter Höflich, Sheila J. Kannappan, Eli Rykoff, Wiphu Rajopakar, Carl W. Akerlof, Christopher L. Gerardy, and J. Craig Wheeler.* 636, 400 (2006)
- QUINN, J. See REBILLOT, P. F., et al. Multiwavelength Observations of the Blazar Markarian 421 in 2002 December and 2003 January. 641, 740 (2006)
- See GUTIERREZ, K., et al. Multiwavelength Observations of IES 1959+650, 1 Year after the Strong Outburst of 2002. 644, 742 (2006)
- QUINN, JASON L. A Light Echo from Type Ia SN 1995E? *Jason L. Quinn, Peter M. Garnavich, Weidong Li, Nino Panagia, Adam Riess, Brian P. Schmidt, and Massimo Della Valle.* 652, 512 (2006)
- QUINN, THOMAS. See DEBATTISTA, VICTOR P., et al. The Secular Evolution of Disk Structural Parameters. 645, 209 (2006)
- QUINN, THOMAS R. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- QUINTERO, ALEJANDRO D. See HOGG, DAVID W., et al. What Triggers Galaxy Transformations? The Environments of Poststarburst Galaxies. 650, 763 (2006)
- QUINTERO, AMILKAR. See HERNÁNDEZ, JESÚS, et al. *Spitzer* Observations of the Orion OB1 Association: Second-Generation Dust Disks at 5–10 Myr. 652, 472 (2006)
- QUIREZA, CINTIA. Radio Recombination Lines in Galactic H II Regions. *Cintia Quireza, Robert T. Rood, Dana S. Balser, and T. M. Bania.* 165, 338 (2006)
- The Electron Temperature Gradient in the Galactic Disk. *Cintia Quireza, Robert T. Rood, T. M. Bania, Dana S. Balser, and Walter J. Maciel.* 653, 1226 (2006)
- QUIRION, P.-O. See RANDALL, S. K., et al. Asteroseismological Studies of Long-Period Variable Subdwarf B Stars. I. A Multisite Campaign on PG 1627+017. 643, 1198 (2006)
- QUIRRENBACH, A. See KRABBE, A., et al. Diffraction-limited Imaging Spectroscopy of the Sagittarius A* Region Using OSIRIS, a New Keck Instrument. 642, L145 (2006)
- QUIRRENBACH, ANDREAS. See REFFERT, SABINE, et al. Precise Radial Velocities of Giant Stars. II. Pollux and Its Planetary Companion. 652, 661 (2006)
- RAAF, J. L. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- RABADÁN, I. See BARRAGÁN, P., et al. Calculation of Rate Coefficients for Electron Capture in Collisions of O^{2+} and N^{2+} Ions with H. 636, 544 (2006)
- RABINOWITZ, D. See ALDERING, G., et al. Nearby Supernova Factory Observations of SN 2005gi: Another Type Ia Supernova in a Massive Circumstellar Envelope. 650, 510 (2006)
- RABINOWITZ, D. L. See BROWN, M. E., et al. Satellites of the Largest Kuiper Belt Objects. 639, L43 (2006)
- See BROWN, M. E., et al. Direct Measurement of the Size of 2003 UB313 from the *Hubble Space Telescope*. 643, L61 (2006)
- RABINOWITZ, DAVID L. Photometric Observations Constraining the Size, Shape, and Albedo of 2003 EL61, a Rapidly Rotating, Pluto-sized Object in the Kuiper Belt. *David L. Rabinowitz, Kristina Barkume, Michael E. Brown, Henry Roe, Michael Schwartz, Suzanne Tourtellotte, and Chad Trujillo.* 639, 1238 (2006)
- RABUS, MARKUS. See O'DONOVAN, FRANCIS T., et al. TrES-2: The First Transiting Planet in the *Kepler* Field. 651, L61 (2006)
- RACUSIN, J. L. See VAUGHAN, S., et al. *Swift* Observations of the X-Ray-Bright GRB 050315. 638, 920 (2006)
- RACUSIN, JUDITH. See PAGANI, CLAUDIO, et al. The *Swift* X-Ray Flaring Afterglow of GRB 050607. 645, 1315 (2006)
- RACUSIN, JUDITH L. See GRUPE, DIRK, et al. *Swift* Observations of GRB 050603: An Afterglow with a Steep Late-Time Decay Slope. 645, 464 (2006)
- See PARK, SANGWOOK, et al. Evolutionary Status of SNR 1987A at the Age of Eighteen. 646, 1001 (2006)
- RADEVA, YANA. See JAHODA, KEITH, et al. Calibration of the *Ross X-Ray Timing Explorer* Proportional Counter Array. 163, 401 (2006)
- RADICK, RICHARD R. See GIAMPAPA, MARK S., et al. A Survey of Chromospheric Activity in the Solar-Type Stars in the Open Cluster M67. 651, 444 (2006)
- RADICS, BALINT. See LAMING, J. MARTIN, et al. The Polar Regions of Cassiopeia A: The Aftermath of a Gamma-Ray Burst? 644, 260 (2006)
- RADOMSKI, J. T. See MARIÑAS, N., et al. Mid-Infrared Imaging of the Herbig Ae Star AB Aurigae: Extended Emission on Several Scales. 653, 1353 (2006)
- RADOMSKI, JAMES T. See ALONSO-HERRERO, ALMUDENA, et al. High Spatial Resolution T-ReCS Mid-Infrared Imaging of Luminous Infrared Galaxies. 652, L83 (2006)
- RAFELSKI, MARC. See HUGHES, JOHN P., et al. The *Chandra* View of the Supernova Remnant 0506–68.0 in the Large Magellanic Cloud. 645, L117 (2006)
- RAFFERTY, D. See LEVAN, A. J., et al. The Faint Afterglow and Host Galaxy of the Short-Hard GRB 060121. 648, L9 (2006)
- RAFFERTY, D. A. See McNAMARA, B. R., et al. The Starburst in the Abell 1835 Cluster Central Galaxy: A Case Study of Galaxy Formation Regulated by an Outburst from a Supermassive Black Hole. 648, 164 (2006)
- The Feedback-regulated Growth of Black Holes and Bulges through Gas Accretion and Starbursts in Cluster Central Dominant Galaxies. *D. A. Rafferty, B. R. McNamara, P. E. J. Nulsen, and M. W. Wise.* 652, 216 (2006)
- RAFIKOV, ROMAN R. Effects of Pulsar Rotation on Timing Measurements of the Double Pulsar System J0737–3039. *Roman R. Rafikov and Dong Lai.* 641, 438 (2006)
- Structure of Passive Circumstellar Disks: Beyond the Two-Temperature Approximation. *Roman R. Rafikov and Fabio De Colle.* 646, 275 (2006)
- Microwave Emission from Spinning Dust in Circumstellar Disks. *Roman R. Rafikov.* 646, 288 (2006)
- Atmospheres of Protoplanetary Cores: Critical Mass for Nucleated Instability. *Roman R. Rafikov.* 648, 666 (2006)
- RAGAN, K. See REBILLOT, P. F., et al. Multiwavelength Observations of the Blazar Markarian 421 in 2002 December and 2003 January. 641, 740 (2006)
- See PERKINS, J. S., et al. TeV Gamma-Ray Observations of the Perseus and Abell 2029 Galaxy Clusters. 644, 148 (2006)
- RAGAN, S. E. Molecular Line Observations of Infrared Dark Clouds: Seeking the Precursors to Intermediate and Massive Star Formation. *S. E. Ragan, E. A. Bergin, R. Plume, D. L. Gibson, D. J. Wilner, S. O'Brien, and E. Hails.* 166, 567 (2006)
- RAGHAVAN, DEEPAK. Two Suns in The Sky: Stellar Multiplicity in Exoplanet Systems. *Deepak Raghavan, Todd J. Henry, Brian D. Mason, John P. Subasavage, Wei-Chun Jao, Thom D. Beaulieu, and Nigel C. Hambly.* 646, 523 (2006)
- See PATTEN, BRIAN M., et al. *Spitzer* IRAC Photometry of M, L, and T Dwarfs. 651, 502 (2006)
- RAGLAND, S. First Surface-resolved Results with the Infrared Optical Telescope Array Imaging Interferometer: Detection of Asymmetries in Asymptotic Giant Branch Stars. *S. Ragland, W. A. Traub, J.-P. Berger, W. C. Danchi, J. D. Monnier, L. A. Willson, N. P. Carleton, M. G. Lacasse, R. Millan-Gabet, E. Pedretti, F. P. Schloerb, W. D. Cotton, C. H. Townes,*

- M. Brewer, P. Hagenauer, P. Kern, P. Labey, F. Malbet, D. Malin, M. Pearlman, K. Perraut, K. Souccar, and G. Wallace. 652, 650 (2006)
- See MONNIER, J. D., et al. No Expanding Fireball: Resolving the Recurrent Nova RS Ophiuchi with Infrared Interferometry. 647, L127 (2006)
- RAGONE-FIGUEROA, C. See PLIONIS, M., et al. Morphological and Dynamical Properties of Low-Redshift Two Degree Field Galaxy Redshift Survey Groups. 650, 770 (2006)
- RAGOT, B. R. Nonresonant Pitch-Angle Scattering of Low-Energy Electrons in the Solar Wind. *B. R. Ragot*. 642, 1163 (2006)
- Mean Cross-Field Displacement of Magnetic Field Lines: Full Nonlinear Calculation and Comparison with Generalized Quasi-linear Results in the Solar Wind. *B. R. Ragot*. 644, 622 (2006)
- Quasi-linear Magnetic Field Lines: Anomalous Transport and Self-Similarity, from the Analytic to the Numerical. *B. R. Ragot*. 645, 1169 (2006)
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- Distributions of Magnetic Field Orientations in the Turbulent Solar Wind. *B. R. Ragot*. 651, 1209 (2006)
- Lengths of Wandering Magnetic Field Lines in the Turbulent Solar Wind. *B. R. Ragot*. 653, 1493 (2006)
- RAHAL, Y. R. See ASSEF, R. J., et al. Removing the Microlensing Blending-Parallax Degeneracy Using Source Variability. 649, 954 (2006)
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- RAKOWSKI, CARA. See HUGHES, JOHN P., et al. The *Chandra* View of the Supernova Remnant 0506-68.0 in the Large Magellanic Cloud. 645, L117 (2006)
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- Extraordinarily Hot X-Ray Emission from the O9 Emission-Line Star HD 119682. *Cara E. Rakowski, N. S. Schulz, S. J. Wolk, and Paola Testa*. 649, L111 (2006)
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- Interstellar Plasma Weather Effects in Long-Term Multifrequency Timing of Pulsar B1937+21. *R. Ramachandran, P. Demorest, D. C. Backer, I. Cognard, and A. Lommen*. 645, 303 (2006)
- Intrinsic Short-Timescale Variability in W3(OH) Hydroxyl Masers. *R. Ramachandran, A. A. Deshpande, and W. M. Goss*. 653, 1314 (2006)
- RAMELLI, R. See BERDYUGINA, S. V., et al. First Polarimetric Measurements and Modeling of the Paschen-Back Effect in CaH Transitions. 649, L49 (2006)
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- RAMOS ALMEIDA, C. The Narrow-Line Region of the Seyfert 2 Galaxy Mrk 78: An Infrared View. *C. Ramos Almeida, A. M. Pérez García, J. A. Acosta-Pulido, J. M. Rodríguez Espinosa, R. Barrena, and A. Manchado*. 645, 148 (2006)
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- See HEALD, GEORGE H., et al. Integral Field Unit Observations of NGC 891: Kinematics of the Diffuse Ionized Gas Halo. 647, 1018 (2006)
- RANDALL, S. K. See TREMBLAY, P.-E., et al. A Quantitative Analysis of the Available Multicolor Photometry for Rapidly Pulsating Hot B Subdwarfs. 165, 551 (2006)
- See FOR, B.-Q., et al. First Attempt at Spectroscopic Detection of Gravity Modes in the Long-Period Pulsating Subdwarf B Star PG 1627+017. 642, 1117 (2006)
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- Asteroseismological Studies of Long-Period Variable Subdwarf B Stars. II. Two-Color Photometry of PG 1338+481. *S. K. Randall, E. M. Green, G. Fontaine, P. Brassard, D. M. Terndrup, N. Brown, M. Fontaine, P. Zacharias, and P. Chayer*. 645, 1464 (2006)
- Further Observations and Analysis of the Rapidly Pulsating Subdwarf B Star EC 20117-4014. *S. K. Randall, G. Fontaine, S. Charpinet, A. E. Lynas-Gray, I. P. Lopes, S. J. O'Toole, and P. Brassard*. 648, 637 (2006)
- RANDALL, SCOTT. See BRADÁČ, MARUŠA, et al. Strong and Weak Lensing United. III. Measuring the Mass Distribution of the Merging Galaxy Cluster IES 0657-558. 652, 937 (2006)
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- See MADHUSUDHAN, N., et al. Models of Ultraluminous X-Ray Sources with Intermediate-Mass Black Holes. 640, 918 (2006)
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- See FREGEAU, JOHN M., et al. Dynamical Interactions of Planetary Systems in Dense Stellar Environments. 640, 1086 (2006)
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- Infrared Dark Clouds: Precursors to Star Clusters. *J. M. Rathborne, J. M. Jackson, and R. Simon*. 641, 389 (2006)
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- RAUE, M. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
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- RAVINDRANATH, SWARA. The Morphological Diversities among Star-forming Galaxies at High Redshifts in the Great Observatories Origins Deep Survey. *Swara Ravindranath, Mauro Giavalisco, Henry C. Ferguson, Christopher Conselice, Neal Katz, Martin Weinberg, Jennifer Lotz, Mark Dickinson, S. Michael Fall, Bahram Mobasher, and Casey Papovich*. 652, 963 (2006)
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- Ejections: Doppler Shifts, Angles, Shocks, and Bulk Morphology. 652, 774 (2006)
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- RAZOUMOV, ALEXEI O. Adaptive Mesh Refinement Simulations of the Ionization Structure and Kinematics of Damped Ly α Systems with Self-consistent Radiative Transfer. *Alexei O. Razoumov, Michael L. Norman, Jason X. Prochaska, and Arthur M. Wolfe*. 645, 55 (2006)
- Escape of Ionizing Radiation from Star-forming Regions in Young Galaxies. *Alexei O. Razoumov and Jesper Sommer-Larsen*. 651, L89 (2006)
- RAZZAQUE, SOEBUR. MeV-GeV Emission from Neutron-loaded Short Gamma-Ray Burst Jets. *Soebur Razaque and Peter Mészáros*. 650, 998 (2006)
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- See KILIC, MUKREMIN, et al. The Mystery Deepens: *Spitzer* Observations of Cool White Dwarfs. 642, 1051 (2006)
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- REBILLOT, P. F. Multiwavelength Observations of the Blazar Markarian 421 in 2002 December and 2003 January. *P. F. Rebillot, H. M. Badran, G. Blaylock, S. M. Bradbury, J. H. Buckley, D. A. Carter-Lewis, O. Celik, Y. C. Chow, P. Cogan, W. Cui, M. Daniel, C. Duke, A. Falcone, S. J. Fegan, J. P. Finley, L. F. Fortson, G. H. Gillanders, J. Grube, K. Gutierrez, G. Gyuk, D. Hanna, J. Holder, D. Horan, S. B. Hughes, G. E. Kenny, M. Kertzman, D. Kieda, J. Kildea, K. Kosack, H. Krawczynski, F. Krennrich, M. J. Lang, S. Le Bohec, E. Linton, G. Maier, P. Moriarty, J. Perkins, M. Pohl, J. Quinn, K. Ragan, P. T. Reynolds, H. J. Rose, M. Schroedter, G. H. Sembroni, G. Steele, S. P. Swordy, L. Valcarcel, V. Vassiliiev, S. P. Wakely, T. C. Weekes, J. Zweerink, (The VERITAS Collaboration), M. Aller, H. Aller, P. Bolton, I. Jung, D. Kranich, K. Nilsson, M. Pasanen, A. Sadun, and A. Sillanpaa*. 641, 740 (2006)
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- REBULL, L. See MORALES-CALDERÓN, M., et al. A Sensitive Search for Variability in Late L Dwarfs: The Quest for Weather. 653, 1454 (2006)
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- A Correlation between Pre-Main-Sequence Stellar Rotation Rates and IRAC Excesses in Orion. *L. M. Rebull, J. R. Stauffer, S. T. Megeath, J. L. Hora, and L. Hartmann*. 646, 297 (2006)
- REBULL, LUISA. See JØRGENSEN, JES K., et al. The *Spitzer* c2d Survey of Large, Nearby, Interstellar Clouds. III. Perseus Observed with IRAC. 645, 1246 (2006)
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- REDDY, N. A. See BERGER, E., et al. Spectroscopy of GRB 050505 at $z = 4.275$: A log $N(H\text{ I}) = 22.1$ DLA Host Galaxy and the Nature of the Progenitor. 642, 979 (2006)
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- A Spectroscopic Survey of Redshift $1.4 \leq z \leq 3.0$ Galaxies in the GOODS-North Field: Survey Description, Catalogs, and Properties. *Naveen A. Reddy, Charles C. Steidel, Dawn K. Erb, Alice E. Shapley, and Max Pettini*. 653, 1004 (2006)
- REDFIELD, SETH. See AYRES, THOMAS R., et al. The Remarkable Far-Ultraviolet Spectrum of FK Comae Berenices: King of Spin. 644, 464 (2006)
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- REID, BETH A. Sunyaev-Zel'dovich Effect Signals in Cluster Models. *Beth A. Reid and David N. Spergel*. 651, 643 (2006)
- REID, I. NEILL. See BURGASSER, ADAM J., et al. *Hubble Space Telescope* NICMOS Observations of T Dwarfs: Brown Dwarf Multiplicity and New Probes of the L/T Transition. 166, 585 (2006)
- See OSTEN, RACHEL A., et al. The Radio Spectrum of TVLM 513-46546: Constraints on the Coronal Properties of a Late M Dwarf. 637, 518 (2006)
- 2MASS J22521073-1730134: A Resolved L/T Binary at 14 Parsecs. *I. Neill Reid, E. Lewitus, Adam J. Burgasser, and K. L. Cruz*. 639, 1114 (2006)
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- See BEUTHER, H., et al. Submillimeter Array 440 μm /690 GHz Line and Continuum Observations of Orion KL. 636, 323 (2006)
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- REID, MICHAEL A. High-Mass Star Formation. II. The Mass Function of Submillimeter Clumps in M17. *Michael A. Reid and Christine D. Wilson*. 644, 990 (2006)
- High-Mass Star Formation. III. The Functional Form of the Submillimeter Clump Mass Function. *Michael A. Reid and Christine D. Wilson*. 650, 970 (2006)
- REIG, P. Fourier-resolved Spectroscopy of 4U 1543-47 during the 2002 Outburst. *P. Reig, I. E. Papadakis, C. R. Shrader, and D. Kazanas*. 644, 424 (2006)
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- Nonthermal High-Energy Emission from Colliding Winds of Massive Stars. *A. Reimer, M. Pohl, and O. Reimer*. 644, 1118 (2006)
- REIMER, O. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
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- REISENEGGER, ANDREAS. Rotochemical Heating of Neutron Stars: Rigorous Formalism with Electrostatic Potential Perturbations. *Andreas Reisenegger, Paula Jofré, Rodrigo Fernández, and Elena Kantor*. 653, 568 (2006)
- REISS, DAVID. See CLOCCHIATTI, ALEJANDRO, et al. *Hubble Space Telescope* and Ground-based Observations of Type Ia Supernovae at Redshift 0.5: Cosmological Implications. 642, 1 (2006)
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- See KALIRAI, JASONJOT S., et al. The Metal-poor Halo of the Andromeda Spiral Galaxy (M31). 648, 389 (2006)
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- Giant Stars: The Discovery of Stars out to a Radial Distance of 165 kpc. 652, 1188 (2006)
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- See HOLLIS, J. M., et al. Cyclopropenone ($\text{c-H}_3\text{C}_3\text{O}$): A New Interstellar Ring Molecule. 642, 933 (2006)
- A BIMA Array Survey of Molecules in Comets LINEAR (C/2002 T7) and NEAT (C/2001 Q4). *Anthony J. Remijan, D. N. Friedel, Imke de Pater, M. R. Hogerheijde, L. E. Snyder, M. F. A'Hearn, Geoffrey A. Blake, H. R. Dickel, J. R. Forster, C. Kraybill, L. W. Looney, Patrick Palmer, and M. C. H. Wright*. 643, 567 (2006)
- See MILAM, STEFANIE N., et al. Formaldehyde in Comets C/1995 O1 (Hale-Bopp), C/2002 T7 (LINEAR), and C/2001 Q4 (NEAT): Investigating the Cometary Origin of H_2CO . 649, 1169 (2006)
- See LOVAS, F. J., et al. Hyperfine Structure Identification of Interstellar Cyanoallene toward TMC-1. 637, L37 (2006)
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- Methyltriacetylene ($\text{CH}_3\text{C}_3\text{H}$) toward TMC-1: The Largest Detected Symmetric Top. *Anthony J. Remijan, J. M. Hollis, L. E. Snyder, P. R. Jewell, and F. J. Lovas*. 643, L37 (2006)
- See LOVAS, F. J., et al. Detection of Ketenimine (CH_2CNH) in Sagittarius B2(N) Hot Cores. 645, L137 (2006)
- REMILLARD, RONALD A. The X-Ray Outburst of H1743–322 in 2003: High-Frequency QPOs with a 3 : 2 Frequency Ratio. *Ronald A. Remillard, Jeffrey E. McClintock, Jerome A. Orosz, and Alan M. Levine*. 637, 1002 (2006)
- The Rates of Type I X-Ray Bursts from Transients Observed with *RXTE*: Evidence for Black Hole Event Horizons. *Ronald A. Remillard, Dacheng Lin, Randall L. Cooper, and Ramesh Narayan*. 646, 407 (2006)
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- REN, J. Y. See CHEN, L. E., et al. Properties of Low Radio Luminosity RGB BL Lac Objects. 637, 711 (2006)
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- G0.570–0.018: A Young Supernova Remnant? *INTEGRAL* and VLA Observations. *M. Renaud, S. Paron, R. Terrier, F. Lebrun, G. Dubner, E. Giacani, and A. M. Bykov*. 638, 220 (2006)
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- RHEE, JOSEPH H. The First Spatially Resolved Mid-Infrared Spectra of NGC 1068 Obtained at Diffraction-limited Resolution with the Keck I Telescope Long Wavelength Spectrometer. *Joseph H. Rhee and James E. Larkin*. 640, 625 (2006)
- RHO, J. See INGALLS, JAMES G., et al. Erratum: "Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey" (ApJS, 154, 281 [2004]). 164, 306 (2006)
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- RHO, JEONGHEE. Spectacular *Spitzer* Images of the Trifid Nebula: Protostars in a Young, Massive-Star-forming Region. *Jeonghee Rho, William T. Reach, Bertrand Lefloch, and Giovanni G. Fazio*. 643, 965 (2006)
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- RHOADS, J. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
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- RHOADS, J. E. See PASQUALI, A., et al. The Structure and Star Formation History of Early-Type Galaxies in the Ultra Deep Field/GRAPES Survey. 636, 115 (2006)
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- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- RIAZ, BASMAH. *Spitzer* Observations of Nearby M Dwarfs. *Basmah Riaz, D. J. Mullan, and John E. Gizis*. 650, 1133 (2006)
- Spitzer* Observations of Two TW Hydrae Association Brown Dwarfs. *Basmah Riaz, John E. Gizis, and Abraham Hmiel*. 639, L79 (2006)
- RIBÓ, M. See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
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- RICCIARDI, S. See MACTAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
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- RICCOBONO, JOANNA. See MAEDA, ATSUKO, et al. The Millimeter- and Submillimeter-Wave Spectrum of the *Gr* Conformer of *n*-Propanol (*n*-CH₃CH₂CH₂OH). 162, 428 (2006)
- RICE, E. L. An Association in the Aquila Star-forming Region: High-Resolution Infrared Spectroscopy of T Tauri Stars. *E. L. Rice, L. Prato, and I. S. McLean*. 647, 432 (2006)
- RICE, MELISSA S. Spatially Resolved Narrow-Line Region Kinematics in Active Galactic Nuclei. *Melissa S. Rice, Paul Martini, Jenny E. Greene, Richard W. Pogge, Joseph C. Shields, John S. Mulchaey, and Michael W. Regan*. 636, 654 (2006)
- RICH, J. See SODERBERG, A. M., et al. An *HST* Study of the Supernovae Accompanying GRB 040924 and GRB 041006. 636, 391 (2006)
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- RICH, R. M. See IGLESIAS-PÁRAMO, J., et al. Star Formation in the Nearby Universe: The Ultraviolet and Infrared Points of View. 164, 38 (2006)
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- RICH, R. MICHAEL. See FULBRIGHT, JON. P., et al. Abundances of Baade's Window Giants from Keck HIRES Spectra. I. Stellar Parameters and [Fe/H] Values. 636, 821 (2006)
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- See GILBERT, KAROLINE M., et al. A New Method for Isolating M31 Red Giant Stars: The Discovery of Stars out to a Radial Distance of 165 kpc. 652, 1188 (2006)
- See BROWN, THOMAS M., et al. Deep Photometry of Andromeda Reveals Striking Similarities in the Tidal Stream and Spheroid Populations. 636, L89 (2006)
- See MORAN, SEAN M., et al. GALEX Observations of "Passive Spirals" in the Cluster Cl 0024+17: Clues to the Formation of S0 Galaxies. 641, L97 (2006)
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- See TRUMP, JONATHAN R., et al. A Catalog of Broad Absorption Line Quasars from the Sloan Digital Sky Survey Third Data Release. 165, 1 (2006)
- Spectral Energy Distributions and Multiwavelength Selection of Type I Quasars. Gordon T. Richards, Mark Lucy, Lisa J. Storrie-Lombardi, Patrick B. Hall, S. C. Gallagher, Dean C. Hines, Xiaohui Fan, Casey Papovich, Daniel E. Vanden Berk, George B. Trammell, Donald P. Schneider, Marianne Vestergaard, Donald G. York, Sebastian Jester, Scott F. Anderson, Tamás Budavári, and Alexander S. Szalay. 166, 470 (2006)
- See MYERS, ADAM D., et al. First Measurement of the Clustering Evolution of Photometrically Classified Quasars. 638, 622 (2006)
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- See BOWEN, DAVID V., et al. QSO Absorption Lines from QSOs. 645, L105 (2006)
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- RICHER, H. See PROCHASKA, J. X., et al. The Galaxy Hosts and Large-Scale Environments of Short-Hard Gamma-Ray Bursts. 642, 989 (2006)
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- RICHTER, M. J. See RYDE, N., et al. Water Vapor on Betelgeuse as Revealed by TEXES High-Resolution 12 μ m Spectra. 637, 1040 (2006)
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- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
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- RIDDLE, R. See VUČKOVIĆ, M., et al. Whole Earth Telescope Observations of the Pulsating Subdwarf B Star PG 0014+067. 646, 1230 (2006)
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- See AUFDENBERG, J. P., et al. Erratum: "First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star" (ApJ, 645, 664 [2006]). 651, 617 (2006)
- RIDGWAY, STEPHEN T. See MARTINACHE, FRANTZ, et al. Exoplanet Imaging

- with a Phase-induced Amplitude Apodization Coronagraph. II. Performance. 639, 1129 (2006)
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- CO(1–0) in $z \approx 4$ Quasar Host Galaxies: No Evidence for Extended Molecular Gas Reservoirs. Dominik A. Riechers, Fabian Walter, Christopher L. Carilli, Kirsten K. Knudsen, K. Y. Lo, Dominic J. Benford, Johannes G. Staguhn, Todd R. Hunter, Frank Bertoldi, Christian Henkel, Karl M. Menten, Axel Weiss, Min S. Yun, and Nick Z. Scoville. 650, 604 (2006)
- First Detection of HCO⁺ Emission at High Redshift. Dominik A. Riechers, Fabian Walter, Christopher L. Carilli, Axel Weiss, Frank Bertoldi, Karl M. Menten, Kirsten K. Knudsen, and Pierre Cox. 645, L13 (2006)
- RIEGL, B. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
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- RIEKE, G. H. See BRYDEN, G., et al. Frequency of Debris Disks around Solar-Type Stars: First Results from a *Spitzer* MIPS Survey. 636, 1098 (2006)
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- See ALONSO-HERRERO, A., et al. Infrared Power-Law Galaxies in the Chandra Deep Field–South: Active Galactic Nuclei and Ultraluminous Infrared Galaxies. 640, 167 (2006)
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- See SU, K. Y. L., et al. Debris Disk Evolution around A Stars. 653, 675 (2006)
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- See GORDON, K. D., et al. *Spitzer* MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure. 638, L87 (2006)
- See HINES, DEAN C., et al. *Spitzer* Observations of High-Redshift QSOs. 641, L85 (2006)
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- See BALOG, ZOLTAN, et al. *Spitzer* MIPS 24 μ m Detection of Photoevaporating Protoplanetary Disks. 650, L83 (2006)
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- RIEKE, GEORGE. See BROWN, MICHAEL J. I., et al. The $1 < z < 5$ Infrared Luminosity Function of Type I Quasars. 638, 88 (2006)
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- RIEKE, GEORGE H. See BUCKALEW, BRENT A., et al. Understanding Radio-selected Thermal Sources in M33: Ultraviolet, Optical, Near-Infrared, *Spitzer* Mid-Infrared, and Radio Observations. 162, 329 (2006)
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- See ALONSO-HERRERO, ALMUDENA, et al. Near-Infrared and Star-forming Properties of Local Luminous Infrared Galaxies. 650, 835 (2006)
- See GORLOVA, NADYA, et al. On the CO Near-Infrared Band and the Line-splitting Phenomenon in the Yellow Hypergiant ρ Cassiopeiae. 651, 1130 (2006)
- See REGAN, MICHAEL W., et al. The Radial Distribution of the Interstellar Medium in Disk Galaxies: Evidence for Secular Evolution. 652, 1112 (2006)
- See PÉREZ-GONZÁLEZ, PABLO G., et al. Erratum: “Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M81 (NGC 3031)” (ApJ, 648, 987 [2006]). 653, 812 (2006)
- See ALONSO-HERRERO, ALMUDENA, et al. High Spatial Resolution T-ReCS Mid-Infrared Imaging of Luminous Infrared Galaxies. 652, L83 (2006)
- RIEKE, M. See WEEDMAN, D. W., et al. *Spitzer* IRS Spectra of Optically Faint Infrared Sources with Weak Spectral Features. 651, 101 (2006)
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- See PAPOVICH, C., et al. *Spitzer* Observations of Massive, Red Galaxies at High Redshift. 640, 92 (2006)
- See HINZ, J. L., et al. Extended Emission by Dust in the Dwarf Galaxy UGC 10445. 651, 874 (2006)
- RIEKE, MARCIA. See BROWN, MICHAEL J. I., et al. The $1 < z < 5$ Infrared Luminosity Function of Type I Quasars. 638, 88 (2006)
- See BRAND, KATE, et al. The *Chandra* XBoötes Survey. III. Optical and Near-Infrared Counterparts. 641, 140 (2006)
- RIEKE, MARCIA J. See BAI, LEI, et al. Infrared Luminosity Function of the Coma Cluster. 639, 827 (2006)
- See CANNON, JOHN M., et al. Warm Dust and Spatially Variable Polycyclic

- Aromatic Hydrocarbon Emission in the Dwarf Starburst Galaxy NGC 1705. 647, 293 (2006)
- See ALONSO-HERRERO, ALMUDENA, et al. Near-Infrared and Star-forming Properties of Local Luminous Infrared Galaxies. 650, 835 (2006)
- See REGAN, MICHAEL W., et al. The Radial Distribution of the Interstellar Medium in Disk Galaxies: Evidence for Secular Evolution. 652, 1112 (2006)
- RIELAGE, K. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- RIEMER-SØRENSEN, SIGNE. Sterile Neutrinos in the Milky Way: Observational Constraints. *Signe Riemer-Sørensen, Steen H. Hansen, and Kristian Pedersen*. 644, L33 (2006)
- RIERA, A. See BARRAGÁN, P., et al. Calculation of Rate Coefficients for Electron Capture in Collisions of O^{2+} and N^{2+} Ions with H. 636, 544 (2006)
- RIESS, ADAM. See QUINN, JASON L., et al. A Light Echo from Type Ia SN 1995E? 652, 512 (2006)
- RIESS, ADAM G. See LI, WEIDONG, et al. Identification of the Red Supergiant Progenitor of Supernova 2005cs: Do the Progenitors of Type II-P Supernovae Have Low Mass? 641, 1060 (2006)
- See CLOCCIATTI, ALEJANDRO, et al. *Hubble Space Telescope* and Ground-based Observations of Type Ia Supernovae at Redshift 0.5: Cosmological Implications. 642, 1 (2006)
- The First Type Ia Supernovae: An Empirical Approach to Taming Evolutionary Effects in Dark Energy Surveys from SNe Ia at $z > 2$. *Adam G. Riess and Mario Livio*. 648, 884 (2006)
- RIFFEL, ROGEMAR A. See FATHI, KAMRIZ, et al. Streaming Motions toward the Supermassive Black Hole in NGC 1097. 641, L25 (2006)
- RIFFESER, A. Microlensing toward Crowded Fields: Theory and Applications to M31. *A. Riffeser, J. Fliri, S. Seitz, and R. Bender*. 163, 225 (2006)
- RIGAUDIER, G. See ALDERING, G., et al. Nearby Supernova Factory Observations of SN 2005gj: Another Type Ia Supernova in a Massive Circumstellar Envelope. 650, 510 (2006)
- RIGAUT, F. See GEBALLE, T. R., et al. The K-Band Spectrum of the Hot Star in IRS 8: An Outsider in the Galactic Center? 652, 370 (2006)
- RIGBY, J. R. See ALONSO-HERRERO, A., et al. Infrared Power-Law Galaxies in the Chandra Deep Field-South: Active Galactic Nuclei and Ultraluminous Infrared Galaxies. 640, 167 (2006)
- See BARMBY, P., et al. Mid-Infrared Properties of X-Ray Sources in the Extended Groth Strip. 642, 126 (2006)
- Why X-Ray-selected Active Galactic Nuclei Appear Optically Dull. *J. R. Rigby, G. H. Rieke, J. L. Donley, A. Alonso-Herrero, and P. G. Pérez-González*. 645, 115 (2006)
- See EGAMI, E., et al. *Spitzer* Observations of the Brightest Galaxies in X-Ray-Luminous Clusters. 647, 922 (2006)
- See BALLANTYNE, D. R., et al. Does the AGN Unified Model Evolve with Redshift? Using the X-Ray Background to Predict the Mid-Infrared Emission of AGNs. 653, 1070 (2006)
- RIGBY, JANE R. See MILUTINOVIĆ, NIKOLA, et al. The Nature of Weak Mg II Absorbing Structures. 641, 190 (2006)
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- RIGOPOULOU, D. See ALONSO-HERRERO, A., et al. Infrared Power-Law Galaxies in the Chandra Deep Field-South: Active Galactic Nuclei and Ultraluminous Infrared Galaxies. 640, 167 (2006)
- See ASHBY, M. L. N., et al. Mid-Infrared Identifications of SCUBA Galaxies in the CUDSS 14 Hour Field with the *Spitzer Space Telescope*. 644, 778 (2006)
- Spitzer* Observations of $z \sim 3$ Lyman Break Galaxies: Stellar Masses and Mid-Infrared Properties. *D. Rigopoulou, J.-S. Huang, C. Papovich, M. L. N. Ashby, P. Barmby, C. Shu, K. Bundy, E. Egami, G. Magdis, H. Smith, S. P. Willner, G. Wilson, and G. G. Fazio*. 648, 81 (2006)
- RIIHONEN, E. See TÖRSTI, J., et al. Great Storm Particle Event on 2000 August 11 Observed by *SOHO* ERNE. 638, 530 (2006)
- RILETT, DARRELL. See TAKAHASHI, MASAOKI, et al. Standing Shocks in Transmagnetosonic Accretion Flows onto a Black Hole. 645, 1408 (2006)
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- On the Rates of Coronal Mass Ejections: Remote Solar and In Situ Observations. *Pete Riley, C. Schatzman, H. V. Cane, I. G. Richardson, and N. Gopalswamy*. 647, 648 (2006)
- A Comparison between Global Solar Magnetohydrodynamic and Potential Field Source Surface Model Results. *Pete Riley, J. A. Linker, Z. Mikić, R. Lionello, S. A. Ledvina, and J. G. Luhmann*. 653, 1510 (2006)
- See LIONELLO, ROBERTO, et al. The Latitudinal Excursion of Coronal Magnetic Field Lines in Response to Differential Rotation: MHD Simulations. 642, L69 (2006)
- RIMMELE, T. The Evershed Flow: Flow Geometry and Its Temporal Evolution. *T. Rimmele and J. Marino*. 646, 593 (2006)
- RIMMELE, THOMAS R. See DENG, NA, et al. Multiwavelength Study of Flow Fields in Flaring Super Active Region NOAA 10486. 644, 1278 (2006)
- RINGWALD, F. See SHANKLAND, P. D., et al. On the Search for Transits of the Planets Orbiting Gliese 876. 653, 700 (2006)
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- RIPKEN, J. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- RIPOCHE, P. See SULLIVAN, M., et al. Rates and Properties of Type Ia Supernovae as a Function of Mass and Star Formation in Their Host Galaxies. 648, 868 (2006)
- RISALITI, G. The Double Active Galactic Nucleus in NGC 6240 Revealed through 3–5 μ m Spectroscopy. *G. Risaliti, E. Sani, R. Maiolino, A. Marconi, S. Berta, V. Bratto, R. Della Ceca, A. Franceschini, and M. Salvati*. 637, L17 (2006)
- RISSI, M. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- RITCHEY, A. M. The Nature of Interstellar Gas toward the Pleiades Revealed in Absorption Lines. *A. M. Ritchey, M. Martinez, K. Pan, S. R. Ferman, and D. L. Lambert*. 649, 788 (2006)
- RIVERA, E. J. See SHANKLAND, P. D., et al. On the Search for Transits of the Planets Orbiting Gliese 876. 653, 700 (2006)
- RIX, H.-W. See HÄRING-NEUMAYER, N., et al. VLT Diffraction-limited Imaging and Spectroscopy in the NIR: Weighing the Black Hole in Centaurus A with NACO. 643, 226 (2006)
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- See VAN DER WEL, A., et al. Comparing Dynamical and Photometric Mass Estimates of Low- and High-Redshift Galaxies: Random and Systematic Uncertainties. 652, 97 (2006)
- See VAN DER WEL, A., et al. The Evolution of Rest-Frame K-Band Properties of Early-Type Galaxies from $z = 1$ to the Present. 636, L21 (2006)
- See VAN DOKKUM, P. G., et al. The Space Density and Colors of Massive Galaxies at $2 < z < 3$: The Predominance of Distant Red Galaxies. 638, L59 (2006)
- See ZUCKER, D. B., et al. A Curious Milky Way Satellite in Ursa Major. 650, L41 (2006)
- RIX, HANS-WALTER. See PENG, CHIEN Y., et al. Probing the Coevolution of Supermassive Black Holes and Quasar Host Galaxies. 640, 114 (2006)
- See BELL, ERIC F., et al. Dry Mergers in GEMS: The Dynamical Evolution of Massive Early-Type Galaxies. 640, 241 (2006)
- See ZHENG, X. Z., et al. Detecting Faint Galaxies by Stacking at 24 μ m. 640, 784 (2006)
- See OFEK, ERAN O., et al. Spectroscopic Redshifts for Seven Lens Galaxies. 641, 70 (2006)
- See BARAZZA, FABIO D., et al. Color, Structure, and Star Formation History of Dwarf Galaxies over the Last ~ 3 Gyr with GEMS and SDSS. 643, 162 (2006)
- See KRIEK, MARISKA, et al. Direct Measurements of the Stellar Continuum and Balmer/4000 Å Breaks of Red $z > 2$ Galaxies: Redshifts and Improved Constraints on Stellar Populations. 645, 44 (2006)

- See PEÑARRUBIA, JORGE, et al. Modeling Tidal Streams in Evolving Dark Matter Halos. 645, 240 (2006)
- See PENG, CHIEN Y., et al. Probing the Coevolution of Supermassive Black Holes and Galaxies Using Gravitationally Lensed Quasar Hosts. 649, 616 (2006)
- See TRUJILLO, IGNACIO, et al. The Size Evolution of Galaxies since $z \sim 3$: Combining SDSS, GEMS, and FIRES. 650, 18 (2006)
- See RUDNICK, GREGORY, et al. Measuring the Average Evolution of Luminous Galaxies at $z < 3$: The Rest-Frame Optical Luminosity Density, Spectral Energy Distribution, and Stellar Mass Density. 650, 624 (2006)
- See KRIEK, MARISKA, et al. Spectroscopic Identification of Massive Galaxies at $z \sim 2.3$ with Strongly Suppressed Star Formation. 649, L71 (2006)
- RIZZI, LUCA. The Araucaria Project: The Distance to NGC 300 from the Red Giant Branch Tip Using *HST* ACS Imaging. Luca Rizzi, Fabio Bresolin, Rolf-Peter Kudritzki, Wolfgang Gieren, and Grzegorz Pietrzyński. 638, 766 (2006)
- RIZZO, J. R. See FUENTE, A., et al. Detection of CO⁺ in the Nucleus of M82. 641, L105 (2006)
- ROB, L. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- ROBB, RUSSELL M. See CROLL, BRYCE, et al. Differential Rotation of ϵ Eridani Detected by *MOST*. 648, 607 (2006)
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- ROBERTO, MASSIMO. See FIGER, DONALD F., et al. Discovery of an Extraordinarily Massive Cluster of Red Supergiants. 643, 1166 (2006)
- See FIGER, DONALD F., et al. Erratum: "Discovery of an Extraordinarily Massive Cluster of Red Supergiants" (ApJ, 643, 1166 [2006]). 646, 1452 (2006)
- ROBERT, A. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
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- See YUSEF-ZADEH, F., et al. Flaring Activity of Sagittarius A* at 43 and 22 GHz: Evidence for Expanding Hot Plasma. 650, 189 (2006)
- ROBERTS, D. A. See HEWITT, J. W., et al. Green Bank Telescope Observations of IC 443: The Nature of OH (1720 MHz) Masers and OH Absorption. 652, 1288 (2006)
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- ROBERTS, M. D. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- ROBERTS, MALLORY S. E. See CRAWFORD, FRONFIELD, et al. A Survey of 56 Midlatitude EGRET Error Boxes for Radio Pulsars. 652, 1499 (2006)
- ROBERTSON, B. C. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- ROBERTSON, BRANT. See HOPKINS, PHILIP F., et al. A Unified, Merger-driven Model of the Origin of Starbursts, Quasars, the Cosmic X-Ray Background, Supermassive Black Holes, and Galaxy Spheroids. 163, 1 (2006)
- See HOPKINS, PHILIP F., et al. Determining the Properties and Evolution of Red Galaxies from the Quasar Luminosity Function. 163, 50 (2006)
- See HOPKINS, PHILIP F., et al. The Evolution in the Faint-End Slope of the Quasar Luminosity Function. 639, 700 (2006)
- The Fundamental Scaling Relations of Elliptical Galaxies. Brant Robertson, Thomas J. Cox, Lars Hernquist, Marijn Franx, Philip F. Hopkins, Paul Martini, and Volker Springel. 641, 21 (2006)
- See LIDZ, ADAM, et al. The Luminosity Dependence of Quasar Clustering. 641, 41 (2006)
- The Evolution of the $M_{\text{BH}}-\sigma$ Relation. Brant Robertson, Lars Hernquist, Thomas J. Cox, Tiziana Di Matteo, Philip F. Hopkins, Paul Martini, and Volker Springel. 641, 90 (2006)
- See COX, T. J., et al. X-Ray Emission from Hot Gas in Galaxy Mergers. 643, 692 (2006)
- A Merger-driven Scenario for Cosmological Disk Galaxy Formation. Brant Robertson, James S. Bullock, Thomas J. Cox, Tiziana Di Matteo, Lars Hernquist, Volker Springel, and Naoki Yoshida. 645, 986 (2006)
- See SIMON, JOSHUA D., et al. Is There a Fundamental Line for Disk Galaxies? 649, 709 (2006)
- See COX, T. J., et al. The Kinematic Structure of Merger Remnants. 650, 791 (2006)
- See HOPKINS, PHILIP F., et al. An Upper Limit to the Degree of Evolution between Supermassive Black Holes and Their Host Galaxies. 652, 107 (2006)
- See HOPKINS, PHILIP F., et al. The Relation between Quasar and Merging Galaxy Luminosity Functions and the Merger-driven Star Formation History of the Universe. 652, 864 (2006)
- See NARAYANAN, DESIKA, et al. Molecular Outflows in Galaxy Merger Simulations with Embedded Active Galactic Nuclei. 642, L107 (2006)
- ROBERTSON, BRANT E. See FONT, ANDREEA S., et al. Chemical Abundance Distributions of Galactic Halos and Their Satellite Systems in a Λ CDM Universe. 638, 585 (2006)
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- ROBERTSON, R. G. H. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- ROBINSON, SARAH. See FISCHER, DEBRA A., et al. The N2K Consortium. III. Short-Period Planets Orbiting HD 149143 and HD 109749. 637, 1094 (2006)
- ROBINSON, SARAH E. The N2K Consortium. V. Identifying Very Metal-rich Stars with Low-Resolution Spectra: Finding Planet-Search Targets. Sarah E. Robinson, Jay Strader, S. Mark Ammons, Gregory Laughlin, and Debra Fischer. 637, 1102 (2006)
- See AMMONS, S. MARK, et al. The N2K Consortium. IV. New Temperatures and Metallicities for More than 100,000 FGK Dwarfs. 638, 1004 (2006)
- Silicon and Nickel Enrichment in Planet Host Stars: Observations and Implications for the Core Accretion Theory of Planet Formation. Sarah E. Robinson, Gregory Laughlin, Peter Bodenheimer, and Debra Fischer. 643, 484 (2006)
- ROBITAILLE, THOMAS P. Interpreting Spectral Energy Distributions from Young Stellar Objects. I. A Grid of 200,000 YSO Model SEDs. Thomas P. Robitaille, Barbara A. Whitney, Remy Indebetouw, Kenneth Wood, and Pia Denzmore. 167, 256 (2006)
- ROBLES, JOSÉ A. See MELÉNDEZ, JORGE, et al. HD 98618: A Star Closely Resembling Our Sun. 641, L133 (2006)
- ROBOTHAM, AARON. Galaxy Luminosities in 2dF Percolation-Inferred Galaxy (2PIGG) Groups. Aaron Robotham, Christopher Wallace, Steven Phillips, and Roberto De Propris. 652, 1077 (2006)
- ROCHA-PINTO, H. J. The Dog on the Ship: The Canis Major Dwarf Galaxy as an Outlying Part of the Argo Star System. H. J. Rocha-Pinto, S. R. Majewski, M. F. Skrutskie, R. J. Patterson, H. Nakanishi, R. R. Muñoz, and Y. Sofue. 640, L147 (2006)

- ROCHE, P. F. See CHIAR, J. E., et al. Spectropolarimetry of the 3.4 μm Feature in the Diffuse ISM toward the Galactic Center Quintuplet Cluster. 651, 268 (2006)
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- See YOUNG, PATRICK A., et al. Constraints on the Progenitor of Cassiopeia A. 640, 891 (2006)
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- ROCKOSI, CONSTANCE M. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- See ALLENDE PRIETO, CARLOS, et al. A Spectroscopic Study of the Ancient Milky Way: F- and G-Type Stars in the Third Data Release of the Sloan Digital Sky Survey. 636, 804 (2006)
- RODGERS, CHRISTOPHER T. See DALL'ORA, MASSIMO, et al. Variable Stars in the Newly Discovered Milky Way Satellite in Bootes. 653, L109 (2006)
- RODMANN, J. See PASCUCCI, L., et al. Formation and Evolution of Planetary Systems: Upper Limits to the Gas Mass in Disks around Sun-like Stars. 651, 1177 (2006)
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- See SCHNEIDER, GLENN, et al. Discovery of an 86 AU Radius Debris Ring around HD 181327. 650, 414 (2006)
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- RODRIGUEZ, C. A Compact Supermassive Binary Black Hole System. C. Rodríguez, G. B. Taylor, R. T. Zavala, A. B. Peck, L. K. Pollack, and R. W. Roman. 646, 49 (2006)
- RODRIGUEZ, D. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- RODRIGUEZ, JEROME. See TOMSICK, JOHN A., et al. Identifications of Four INTEGRAL Sources in the Galactic Plane via Chandra Localizations. 647, 1309 (2006)
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- RODRÍGUEZ, LUIS F. See AVALOS, MARTÍN, et al. Spectra and Sizes of Hypercompact H II Regions. 641, 406 (2006)
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- RODRÍGUEZ, MÓNICA IVETTE. Anomalous H₂CO Absorption toward the Galactic Anticenter: A Blind Search for Dense Molecular Clouds. Mónica Ivette Rodríguez, Ronald J. Allen, Laurent Loinard, and Tommy Wiklund. 652, 1230 (2006)
- RODRÍGUEZ-ARDILA, ALBERTO. Outflows of Very Ionized Gas in the Centers of Seyfert Galaxies: Kinematics and Physical Conditions. Alberto Rodríguez-Ardila, M. Almudena Prieto, Sueli Viegas, and Ruth Gruenewald. 653, 1098 (2006)
- RODRÍGUEZ-FRANCO, A. See JIMÉNEZ-SERRA, I., et al. The First Measurements of the Electron Density Enhancements Expected in C-Type Shocks. 650, L135 (2006)
- RODRÍGUEZ-GIL, P. See ZURITA, C., et al. The 2005 Outburst of the Halo Black Hole X-Ray Transient XTE J1118+480. 644, 432 (2006)
- RODRÍGUEZ-RICO, C. A. Very Large Array H53 α and H92 α Line Observations of the Central Region of NGC 253. C. A. Rodríguez-Rico, W. M. Goss, J.-H. Zhao, Y. Gómez, and K. R. Anantharamaiah. 644, 914 (2006)
- ROE, H. G. See BROWN, M. E., et al. Direct Measurement of the Size of 2003 UB313 from the Hubble Space Telescope. 643, L61 (2006)
- ROE, HENRY. See RABINOWITZ, DAVID L., et al. Photometric Observations Constraining the Size, Shape, and Albedo of 2003 EL61, a Rapidly Rotating, Pluto-sized Object in the Kuiper Belt. 639, 1238 (2006)
- ROELLIG, T. L. See BUCKALEW, BRENT A., et al. Understanding Radio-selected Thermal Sources in M33: Ultraviolet, Optical, Near-Infrared, Spitzer Mid-Infrared, and Radio Observations. 162, 329 (2006)
- See SAUMON, D., et al. Ammonia as a Tracer of Chemical Equilibrium in the T7.5 Dwarf Gliese 570D. 647, 552 (2006)
- ROELLIG, THOMAS L. See CUSHING, MICHAEL C., et al. A Spitzer Infrared Spectrograph Spectral Sequence of M. L. and T Dwarfs. 648, 614 (2006)
- ROELOF, E. C. See GALLI, A., et al. Direct Measurements of Energetic Neutral Hydrogen in the Interplanetary Medium. 644, 1317 (2006)
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- ROELOFS, G. H. A. See STEEGHS, D., et al. GEMINI Spectroscopy of the Ultracompact Binary Candidate V407 Vulpeculae. 649, 382 (2006)
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- ROGEL, A. B. Three Years of ChaMP/Plane Northern Field WIYN Spectroscopy. A. B. Rogel, P. M. Lugger, H. N. Cohn, S. D. Slavin, J. E. Grindlay, P. Zhao, and J. Hong. 163, 160 (2006)
- ROGERS, TAMARA M. Angular Momentum Transport by Gravity Waves in the Solar Interior. Tamara M. Rogers and Gary A. Glatzmaier. 653, 756 (2006)
- Numerical Simulations of Penetration and Overshoot in the Sun. Tamara M. Rogers, Gary A. Glatzmaier, and C. A. Jones. 653, 765 (2006)
- ROH, DUK-GYOO. See KANG, JINA, et al. Time Monitoring Observations of SiO $J = 2-1$ and $J = 3-2$ Maser Emission toward Late-Type Stars. 165, 360 (2006)
- ROHWER, ERICH G. See DU PLESSIS, ANTON, et al. Accurate Laboratory Wavelengths of the A¹II($v' = 0-5$)-X¹Σ⁺($v'' = 0$) Vibronic Bands of ¹²C¹⁸O and ¹³C¹⁸O. 165, 432 (2006)
- ROJO, PATRICIO M. A Method to Remove Fringes from Images Using Wavelets. Patricio M. Rojo and Joseph Harrington. 649, 553 (2006)
- ROL, E. See O'BRIEN, P. T., et al. The Early X-Ray Emission from GRBs. 647, 1213 (2006)
- See LEVAN, A. J., et al. The First Swift X-Ray Flash: The Faint Afterglow of XRF 050215B. 648, 1132 (2006)
- See LEVAN, A. J., et al. The Faint Afterglow and Host Galaxy of the Short-Hard GRB 060121. 648, L9 (2006)
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- ROMANO-DIAZ, EMILIO. Constrained Cosmological Simulations of Dark Matter Halos. *Emilio Romano-Diaz, Andreas Faltenbacher, Daniel Jones, Clayton Heller, Yehuda Hoffman, and Isaac Shlosman*. 637, L93 (2006)
- ROMANOVA, M. M. See USTYUGOVA, G. V., et al. "Propeller" Regime of Disk Accretion to Rapidly Rotating Stars. 646, 304 (2006)
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- ROMEO, G. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
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- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
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- ROMING, PETER W. A. GRB 060313: A New Paradigm for Short-Hard Bursts? *Peter W. A. Roming, Daniel Vanden Berk, Valentin Pal'shin, Claudio Paganì, Jay Norris, Pawan Kumar, Hans Krimm, Stephen T. Holland, Caryl Gronwall, Alex J. Blustin, Bing Zhang, Patricia Schady, Takanori Sakamoto, Julian P. Osborne, John A. Nousek, Frank E. Marshall, Peter Mészáros, Sergey V. Golenetskii, Neil Gehrels, Dmitry D. Frederiks, Sergio Campana, David N. Burrows, Patricia T. Boyd, Scott Barthelmy, and R. L. Apter*. 651, 985 (2006)
- Very Early Optical Afterglows of Gamma-Ray Bursts: Evidence for Relative Paucity of Detection. *Peter W. A. Roming, Patricia Schady, Derek B. Fox, Bing Zhang, Enwei Liang, Keith O. Mason, Evert Rol, David N. Burrows, Alex J. Blustin, Patricia T. Boyd, Peter Brown, Stephen T. Holland, Katherine McGowan, Wayne B. Landsman, Kim L. Page, James E. Rhoads, Simon R. Rosen, Daniel Vanden Berk, Scott D. Barthelmy, Alice A. Breeveld, Antonino Cucchiara, Massimiliano De Pasquale, Edward E. Fenimore, Neil Gehrels, Caryl Gronwall, Dirk Grupe, Michael R. Goad, Mariya Ivanushkina, Cynthia James, Jamie A. Kennea, Shihō Kobayashi, Vanessa Mangano, Peter Mészáros, Adam N. Morgan, John A. Nousek, Julian P. Osborne, David M. Palmer, Tracey Poole, Martin D. Still, Gianpiero Tagliaferri, and Silvia Zane*. 652, 1416 (2006)
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- See HOMEIER, N. L., et al. The Formation Epoch of Early-Type Galaxies in the $z \sim 0.9$ Cl 1604 Supercluster. 647, 256 (2006)
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- ROSATI, PIERO. See MEI, SIMONA, et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Early-Type Galaxies in the Lynx Supercluster at $z \sim 1.26$. 644, 759 (2006)
- See MULCHAFFY, JOHN S., et al. X-Ray-selected Intermediate-Redshift Groups of Galaxies. 646, 133 (2006)
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- See MILEY, GEORGE K., et al. The Spiderweb Galaxy: A Forming Massive Cluster Galaxy at $z \sim 2$. 650, L29 (2006)
- ROSE, H. J. See REBILLOT, P. F., et al. Multiwavelength Observations of the Blazar Markarian 421 in 2002 December and 2003 January. 641, 740 (2006)
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- ROSENBERG, JESSICA L. The Diverse Infrared Properties of a Complete Sample of Star-forming Dwarf Galaxies. *Jessica L. Rosenberg, Matthew L. N. Ashby, John J. Salzer, and Jia-Sheng Huang*. 636, 742 (2006)
- See DANFORTH, CHARLES W., et al. The Low- z Intergalactic Medium. II. Ly β , O VI, and C III Forest. 640, 716 (2006)
- ROSHI, D. ANISH. VLA Observations of Carbon 91 α Recombination Line Emission in W49 North. *D. Anish Roshì, C. G. De Pree, W. M. Goss, and K. R. Anantharamaiah*. 644, 279 (2006)
- ROSNER, ROBERT. See RÜDIGER, GÜNTHER, et al. The Traveling-Wave MRI in Cylindrical Taylor-Couette Flow: Comparing Wavelengths and Speeds in Theory and Experiment. 649, L145 (2006)
- ROSOLOWSKY, E. See YOUNG, L. M., et al. The Evolution of the Interstellar Medium in the Mildly Disturbed Spiral Galaxy NGC 4647. 650, 166 (2006)
- ROSOLOWSKY, ERIK. See BLITZ, LEO, et al. The Role of Pressure in GMC Formation II: The H_2 -Pressure Relation. 650, 933 (2006)
- ROSS, ASHLEY J. Precision Measurements of Higher Order Angular Galaxy Correlations Using 11 Million SDSS Galaxies. *Ashley J. Ross, Robert J. Brunner, and Adam D. Myers*. 649, 48 (2006)
- ROSSA, J. See WALCHER, C. J., et al. Stellar Populations in the Nuclei of Late-Type Spiral Galaxies. 649, 692 (2006)
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- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- ROSSI, SILVIA. See FREBEL, ANNA, et al. Bright Metal-poor Stars from the Hamburg/ESO Survey. I. Selection and Follow-up Observations from 329 Fields. 652, 1585 (2006)
- See LUCATELLO, SARA, et al. The Frequency of Carbon-enhanced Metal-poor Stars in the Galaxy from the HERES Sample. 652, L37 (2006)

- ROSSINOT, PHILIPPE. See ENOCH, MELISSA L., et al. Bolocam Survey for 1.1 mm Dust Continuum Emission in the c2d Legacy Clouds. I. Perseus. 638, 293 (2006)
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- ROTH, K. See SODERBERG, A. M., et al. An *HST* Study of the Supernovae Accompanying GRB 040924 and GRB 041006. 636, 391 (2006)
- See FOLEY, R. J., et al. GRB 050408: A Bright Gamma-Ray Burst Probing an Atypical Galactic Environment. 645, 450 (2006)
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- ROTH, KATHY. See LE BORGNE, DAMIEN, et al. Gemini Deep Deep Survey. VI. Massive H δ -strong Galaxies at $z \approx 1$. 642, 48 (2006)
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- See HANASOGE, S. M., et al. Computational Acoustics in Spherical Geometry: Steps toward Validating Helioseismology. 648, 1268 (2006)
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- ROTHSCHILD, RICHARD E. *INTEGRAL* and *RXTE* Observations of Centaurus A. Richard E. Rothschild, Jörn Wilms, John Tomsick, Rüdiger Staubert, Sara Benlloch, Werner Collmar, Grzegorz Madejski, Sandrine Deluit, and Harish Khadrika. 641, 801 (2006)
- See THOMPSON, THOMAS W. J., et al. Orbital Parameters for the X-Ray Pulsar IGR J16393-4643. 649, 373 (2006)
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- See ZEAS, A., et al. *Chandra* Monitoring Observations of The Antennae Galaxies. I. Catalog of Source Properties. 166, 211 (2006)
- See BALDI, A., et al. Chemical Enrichment of the Complex Hot ISM of the Antennae Galaxies. II. Physical Properties of the Hot Gas and Supernova Feedback. 636, 158 (2006)
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- See RUDNICK, GREGORY, et al. Measuring the Average Evolution of Luminous Galaxies at $z < 3$: The Rest-Frame Optical Luminosity Density, Spectral Energy Distribution, and Stellar Mass Density. 650, 624 (2006)
- RÖTTGERING, HUUB J. A. See MILEY, GEORGE K., et al. The Spiderweb Galaxy: A Forming Massive Cluster Galaxy at $z \sim 2$. 650, L29 (2006)
- ROUEFF, E. See LIS, D. C., et al. Ground State Rotational Lines of Doubly Deuterated Ammonia as Tracers of the Physical Conditions and Chemistry of Cold Interstellar Medium. 636, 916 (2006)
- See FUENTE, A., et al. Detection of CO $^+$ in the Nucleus of M82. 641, L105 (2006)
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- See DALE, D. A., et al. Mid-Infrared Spectral Diagnostics of Nuclear and Extranuclear Regions in Nearby Galaxies. 646, 161 (2006)
- The Opaque Nascent Starburst in NGC 1377: *Spitzer* SINGS Observations. H. Roussel, G. Helou, J. D. Smith, B. T. Draine, D. J. Hollenbach, J. Moustakas, H. W. Spoon, R. C. Kennicutt, G. H. Rieke, F. Walter, L. Armus, D. A. Dale, K. Sheth, G. J. Bendo, C. W. Engelbracht, K. D. Gordon, M. J. Meyer, M. W. Regan, and E. J. Murphy. 646, 841 (2006)
- See MURPHY, E. J., et al. The Effect of Star Formation on the Far-Infrared-Radio Correlation within Galaxies. 651, L111 (2006)
- ROUSSEL, HÉLÈNE. See BENDO, GEORGE J., et al. *Spitzer* and JCMT Observations of the Active Galactic Nucleus in the Sombrero Galaxy (NGC 4594). 645, 134 (2006)
- See CANNON, JOHN M., et al. Warm Dust and Spatially Variable Polycyclic Aromatic Hydrocarbon Emission in the Dwarf Starburst Galaxy NGC 1705. 647, 293 (2006)
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- See FARRAH, D., et al. Erratum: "The Spatial Clustering of Ultraluminous Infrared Galaxies over $1.5 < z < 3$ " (ApJ 641, L17 [2006]). 643, L139 (2006)
- ROWAN-ROBINSON, MICHAEL. See POLLETTA, MARIA DEL CARMEN, et al. *Chandra* and *Spitzer* Unveil Heavily Obscured Quasars in the *Chandra* SWIRE Survey. 642, 673 (2006)
- ROWE, JASON F. An Upper Limit on the Albedo of HD 209458b: Direct Imaging Photometry with the *MOST* Satellite. Jason F. Rowe, Jaymie M. Matthews, Sara Seager, Rainer Kuschnig, David B. Guenther, Anthony F. J. Moffat, Slavek M. Rucinski, Dimitar Sasselov, Gordon A. H. Walker, and Werner W. Weiss. 646, 1241 (2006)
- See CROLL, BRYCE, et al. Differential Rotation of ϵ Eridani Detected by *MOST*. 648, 607 (2006)
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- See RYKOFF, E. S., et al. The Anomalous Early Afterglow of GRB 050801. 638, L5 (2006)
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- ROZO, EDUARDO. Statistics of Magnification Perturbations by Substructure in the Cold Dark Matter Cosmological Model. Eduardo Rozo, Andrew R. Zentner, Gianfranco Bertone, and Jacqueline Chen. 639, 573 (2006)
- RUBBO, LOUIS J. Event Rate for Extreme Mass Ratio Burst Signals in the *Laser Interferometer Space Antenna* Band. Louis J. Rubbo, Kelly Holley-Bockelmann, and Lee Samuel Finn. 649, L25 (2006)
- RUBIÑO-MARTÍN, J. A. See BATTISTELLI, E. S., et al. Millimeter Observation of the SZ Effect in the Corona Borealis Supercluster. 645, 826 (2006)
- See BATTISTELLI, E. S., et al. Polarization Observations of the Anomalous Microwave Emission in the Perseus Molecular Complex with the COSMOSOMAS Experiment. 645, L141 (2006)
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- GRB 030329 with High-Resolution Multicolor Photometry. 641, L13 (2006)
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- See SAIO, H., et al. *MOST* Detects g - and p -Modes in the B Supergiant HD 163899 (B2 Ib/II). 650, 1111 (2006)
- See AERTS, C., et al. Discovery of the New Slowly Pulsating B Star HD 163830 (B5 II/III) from *MOST* Space-based Photometry. 642, L165 (2006)
- RUCINSKI, SLAVEK M. See ROWE, JASON F., et al. An Upper Limit on the Albedo of HD 209458b: Direct Imaging Photometry with the *MOST* Satellite. 646, 1241 (2006)
- See CROLL, BRYCE, et al. Differential Rotation of ϵ Eridani Detected by *MOST*. 648, 607 (2006)
- RUDICK, CRAIG S. The Formation and Evolution of Intracluster Light. *Craig S. Rudick, J. Christopher Mihos, and Cameron McBride*. 648, 936 (2006)
- RÜDIGER, GÜNTHER. The Traveling-Wave MRI in Cylindrical Taylor-Couette Flow: Comparing Wavelengths and Speeds in Theory and Experiment. *Günther Rüdiger, Rainer Hollerbach, Frank Stefani, Thomas Gundrum, Gunter Gerbeth, and Robert Rosner*. 649, L145 (2006)
- RUDNICK, G. See VAN DOKKUM, P. G., et al. The Space Density and Colors of Massive Galaxies at $2 < z < 3$: The Predominance of Distant Red Galaxies. 638, L59 (2006)
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- Measuring the Average Evolution of Luminous Galaxies at $z < 3$: The Rest-Frame Optical Luminosity Density, Spectral Energy Distribution, and Stellar Mass Density. *Gregory Rudnick, Ivo Labbé, Natascha M. Förster Schreiber, Stijn Wuyts, Marijn Franx, Kristian Finlator, Mariska Kriek, Alan Moorwood, Hans-Walter Rix, Huub Röttgering, Ignacio Trujillo, Arjen van der Wel, Paul van der Werf, and Pieter G. van Dokkum*. 650, 624 (2006)
- See WEBB, TRACY M. A., et al. Star Formation in Distant Red Galaxies: *Spitzer* Observations in the Hubble Deep Field-South. 636, L17 (2006)
- See KRIEK, MARISKA, et al. Spectroscopic Identification of Massive Galaxies at $z \sim 2.3$ with Strongly Suppressed Star Formation. 649, L71 (2006)
- RUDNICK, LAWRENCE. See ENNIS, JESSICA A., et al. *Spitzer* IRAC Images and Sample Spectra of Cassiopeia A's Explosion. 652, 376 (2006)
- RUDOLPH, ALEXANDER L. Abundance Gradients in the Galaxy. *Alexander L. Rudolph, Michel Fich, Gwendolyn R. Bell, Travis Norsen, Janet P. Simpson, Michael R. Haas, and Edwin F. Erickson*. 162, 346 (2006)
- RUDY, R. J. See LYNCH, D. K., et al. Early Infrared Spectral Development of V1187 Scorpii (Nova Scorpii 2004 No. 2). 638, 987 (2006)
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- RUFFOLO, D. Relativistic Solar Protons on 1989 October 22: Injection and Transport along Both Legs of a Closed Interplanetary Magnetic Loop. *D. Ruffolo, P. Tooprakai, M. Rujiwarodom, T. Khumlumert, M. Wechakama, J. W. Bieber, P. Evenson, and R. Pyle*. 639, 1186 (2006)
- Random Walk of Magnetic Field Lines in Nonaxisymmetric Turbulence. *D. Ruffolo, P. Chuychai, and W. H. Matthaeus*. 644, 971 (2006)
- RÜGAMER, S. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
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- RUHL, J. E. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- RUITER, ASHLEY J. The Nature of the Faint *Chandra* X-Ray Sources in the Galactic Center. *Ashley J. Ruiter, Krzysztof Belczynski, and Thomas E. Harrison*. 640, L167 (2006)
- RUIZ, J. See EIDELBERG, M., et al. Oscillator Strengths and Predissociation Rates for Rydberg Transitions in $^{12}\text{C}^{18}\text{O}$, $^{13}\text{C}^{16}\text{O}$, and $^{13}\text{C}^{18}\text{O}$ Involving the $E' \Pi$, $B' \Sigma'$, and $W' \Pi$ States. 647, 1543 (2006)
- RUIZ, MARÍA TERESA. See GAWISER, ERIC, et al. The Multiwavelength Survey by Yale-Chile (MUSYC): Survey Design and Deep Public *UBVRiz* Images and Catalogs of the Extended Hubble Deep Field-South. 162, 1 (2006)
- See FERNÁNDEZ, JOSÉ MIGUEL, et al. Millimagnitude Optical Photometry for the Transiting Planetary Candidate OGLE-TR-109. 647, 587 (2006)
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- RUMYANTSEV, VASILII V. See HILL, JOANNE E., et al. GRB 050117: Simultaneous Gamma-Ray and X-Ray Observations with the *Swift* Satellite. 639, 303 (2006)
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- RUPKE, D. See SCHWEITZER, M., et al. *Spitzer* Quasar and ULIRG Evolution Study (QUEST). I. The Origin of the Far-Infrared Continuum of QSOs. 649, 79 (2006)
- See STURM, E., et al. Mid-Infrared Diagnostics of LINERs. 653, L13 (2006)
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- See HAMMEL, H. B., et al. Mid-Infrared Ethane Emission on Neptune and Uranus. 644, 1326 (2006)
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- RYAN, R. See McNAMARA, B. R., et al. The Starburst in the Abell 1835 Cluster Central Galaxy: A Case Study of Galaxy Formation Regulated by an Outburst from a Supermassive Black Hole. 648, 164 (2006)
- RYAN, R. E. See STRAUGHN, A. N., et al. Tracing Galaxy Assembly: Tadpole Galaxies in the Hubble Ultra Deep Field. 639, 724 (2006)
- RYAN, JR., R. E. See COHEN, S. H., et al. Clues to Active Galactic Nucleus Growth from Optically Variable Objects in the Hubble Ultra Deep Field. 639, 731 (2006)
- RYAN, S. G. See AOKI, W., et al. HE 1327-2326, an Unevolved Star with $[\text{Fe}/\text{H}] < -5.0$. I. A Comprehensive Abundance Analysis. 639, 897 (2006)

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- RYANS, R. S. I. See KEENAN, F. P., et al. Soft X-Ray Emission Lines of Fe XV in Solar Flare Observations and the *Chandra* Spectrum of Capella. 645, 597 (2006)
- RYAN-WEBER, E. V. See MEURER, GERHARDT R., et al. The Survey for Ionization in Neutral Gas Galaxies. I. Description and Initial Results. 165, 307 (2006)
- See HANISH, D. J., et al. The Survey for Ionization in Neutral Gas Galaxies. II. The Star Formation Rate Density of the Local Universe. 649, 150 (2006)
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- RYDE, FELIX. Gamma-Ray Burst Spectral Correlations: Photospheric and Injection Effects. *Felix Ryde, Claes-Ingvar Björnsson, Yuki Kaneko, Peter Mészáros, Robert Preece, and Milan Battelino*. 652, 1400 (2006)
- RYDE, N. Water Vapor on Betelgeuse as Revealed by TEXES High-Resolution 12 μ m Spectra. *N. Ryde, G. M. Harper, M. J. Richter, T. K. Greathouse, and J. H. Lacy*. 637, 1040 (2006)
- Water Vapor on Supergiants: The 12 μ m TEXES Spectra of μ Cephei. *N. Ryde, M. J. Richter, G. M. Harper, K. Eriksson, and D. L. Lambert*. 645, 652 (2006)
- RYDEN, BARBARA S. The Intrinsic Shape of Spiral Galaxies in the 2MASS Large Galaxy Atlas. *Barbara S. Ryden*. 641, 773 (2006)
- RYDER, STUART D. See ALONSO-HERRERO, ALMUDENA, et al. Near-Infrared and Star-forming Properties of Local Luminous Infrared Galaxies. 650, 835 (2006)
- RYKOFF, E. S. See YOST, S. A., et al. Optical Light Curve and Cooling Break of GRB 050502A. 636, 959 (2006)
- See QUIMBY, R. M., et al. Early-Time Observations of the GRB 050319 Optical Transient. 640, 402 (2006)
- The Anomalous Early Afterglow of GRB 050801. *E. S. Rykoff, V. Mangano, S. A. Yost, R. Sari, F. Aharonian, C. W. Akerlof, M. C. B. Ashley, S. D. Barthelmy, D. N. Burrows, N. Gehrels, E. Göss, T. Güver, D. Horns, Ü. Kiziloğlu, H. A. Krimm, T. A. McKay, M. Özel, A. Phillips, R. M. Quimby, G. Rowell, W. Rujopakarn, B. E. Schaefer, D. A. Smith, H. F. Swan, W. T. Vestrand, J. C. Wheeler, J. Wren, and F. Yuan*. 638, L5 (2006)
- RYKOFF, ELLI. See QUIMBY, ROBERT, et al. SN 2005cg: Explosion Physics and Circumstellar Interaction of a Normal Type Ia Supernova in a Low-Luminosity Host. 636, 400 (2006)
- RYU, DONGSU. Equation of State in Numerical Relativistic Hydrodynamics. *Dongsu Ryu, Indranil Chattopadhyay, and Eunwoo Choi*. 166, 410 (2006)
- See VÁZQUEZ-SEMADENI, ENRIQUE, et al. Molecular Cloud Evolution. I. Molecular Cloud and Thin Cold Neutral Medium Sheet Formation. 643, 245 (2006)
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- See KREGENOW, J., et al. Far-Ultraviolet Observations of a Thermal Interface in the Orion-Eridanus Superbubble. 644, L167 (2006)
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- Molecular Hydrogen Fluorescence in the Eridanus Superbubble. *K. Ryu, K.-W. Min, J.-W. Park, D.-H. Lee, W. Han, U.-W. Nam, J.-H. Park, J. Edelstein, E. J. Korpiela, K. Nishikida, and E. F. van Dishoeck*. 644, L185 (2006)
- RYU, K.-S. See LEE, D.-H., et al. Diffuse Far-Ultraviolet Observations of the Taurus Region. 644, L181 (2006)
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- See FERRARO, F. R., et al. Discovery of Carbon/Oxygen-depleted Blue Straggler Stars in 47 Tucanae: The Chemical Signature of a Mass Transfer Formation Process. 647, L53 (2006)
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- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
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- See NESVADBA, N. P. H., et al. Lyman Break Galaxies under a Microscope: The Small-Scale Dynamics and Mass of an Arc in the Cluster 1E 0657-56. 650, 661 (2006)
- See PANNELLA, M., et al. The Evolution of the Mass Function Split by Morphology up to Redshift 1 in the FORS Deep and the GOODS-S Fields. 639, L1 (2006)
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- SAHA, A. Cepheid Distances to SNe Ia Host Galaxies Based on a Revised Photometric Zero Point of the *HST* WPC2 and New PL Relations and Metallicity Corrections. *A. Saha, F. Thim, G. A. Tammann, B. Reindl, and A. Sandage*. 165, 108 (2006)
- See SANDAGE, A., et al. The Hubble Constant: A Summary of the *Hubble Space Telescope* Program for the Luminosity Calibration of Type Ia Supernovae by Means of Cepheids. 653, 843 (2006)

- SAHA, PRASENJIT. Gravitational Lensing Model Degeneracies: Is Steepness All-Important? *Prasenjit Saha and Liliya L. R. Williams*. 653, 936 (2006)
- The Hubble Time Inferred from 10 Time Delay Lenses. *Prasenjit Saha, Jonathan Coles, Andrea V. Macciò, and Liliya L. R. Williams*. 650, L17 (2006)
- Two Strong-Lensing Clusters Confront Universal Dark Matter Profiles. *Prasenjit Saha, Justin I. Read, and Liliya L. R. Williams*. 653, L5 (2006)
- SAHA, RAJIB. A Blind Estimation of the Angular Power Spectrum of CMB Anisotropy from WMAP. *Rajib Saha, Pankaj Jain, and Tarun Souradeep*. 645, L89 (2006)
- SAHAI, R. A Massive Bipolar Outflow and a Dusty Torus with Large Grains in the Preplanetary Nebula IRAS 22036+5306. *R. Sahai, K. Young, N. A. Patel, C. Sánchez Contreras, and M. Morris*. 653, 1241 (2006)
- SAHAI, RAGHUVENDRA. See SARKAR, GEETANJALI, et al. The Dust Envelope of the Preplanetary Nebula IRAS 19475+3119. 644, 1171 (2006)
- See HRIVNAK, BRUCE J., et al. A Study of H₂ Emission in the Bipolar Proto-Planetary Nebula IRAS 17150-3224. 650, 237 (2006)
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- SAHIPAL, SANDEEP. See KROT, ALEXANDER N., et al. Aluminum-Magnesium and Oxygen Isotope Study of Relict Ca-Al-rich Inclusions in Chondrules. 639, 1227 (2006)
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- SAIO, H. MOST Detects g- and p-Modes in the B Supergiant HD 163899 (B2 Ib/II). *H. Saio, R. Kuschnig, A. Gautschi, C. Cameron, G. A. H. Walker, J. M. Matthews, D. B. Guenther, A. F. J. Moffat, S. M. Rucinski, D. Sasselov, and W. W. Weiss*. 650, 1111 (2006)
- SAITO, C. See SHIBATA, T., et al. A Possible Approach to Three-dimensional Cosmic-Ray Propagation in the Galaxy. II. Stable Nuclei with Energy Change. 642, 882 (2006)
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- See TAKAHASHI, SATOKO, et al. Millimeter- and Submillimeter-Wave Observations of the OMC-2/3 Region. I. Dispersing and Rotating Core around the Intermediate-Mass Protostar MMS 7. 651, 933 (2006)
- SAITO, S. A Trigger Mechanism of Magnetic Reconnection and Particle Acceleration during Thinning of the Current Sheet. *S. Saito and J. I. Sakai*. 652, 793 (2006)
- SAITO, TOMOKI. Systematic Survey of Extended Ly α Sources over $z \sim 3-5$. *Tomoki Saito, Kazuhiro Shimasaku, Sadanori Okamura, Masami Ouchi, Masayuki Akiyama, and Michitoshi Yoshida*. 648, 54 (2006)
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- SAITOH, TAKAYUKI R. Tidal Disruption of Dark Matter Halos around Proto-Globular Clusters. *Takayuki R. Saitoh, Jin Koda, Takashi Okamoto, Keiichi Wada, and Asao Habe*. 640, 22 (2006)
- See MATSUI, HIDENORI, et al. Effects of a Supermassive Black Hole Binary on a Nuclear Gas Disk. 651, 767 (2006)
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- SAJI, C. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- SAKAI, J. I. Simulation of Collision of Two Current Loops in the Upper Chromosphere Using the Two-Fluid Model. *J. I. Sakai, K. Tsuchimoto, and I. V. Sokolov*. 642, 1236 (2006)
- See SAITO, S., et al. A Trigger Mechanism of Magnetic Reconnection and Particle Acceleration during Thinning of the Current Sheet. 652, 793 (2006)
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- SAKAI, T. See WATANABE, K., et al. Solar Neutron Events of 2003 October–November. 636, 1135 (2006)
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- SAKAI, TAKESHI. Atomic Carbon in the AFGL 333 Cloud. *Takeshi Sakai, Tomoharu Oka, and Satoshi Yamamoto*. 649, 268 (2006)
- SAKAMOTO, KAZUSHI. Molecular Superbubbles in the Starburst Galaxy NGC 253. *Kazushi Sakamoto, Paul T. P. Ho, Daisuke Iono, Eric R. Keto, Rui-Qing Mao, Satoki Matsushita, Alison B. Peck, Martina C. Wiedner, David J. Wilner, and Jun-Hui Zhao*. 636, 685 (2006)
- Imaging Molecular Gas in the Luminous Merger NGC 3256: Detection of High-Velocity Gas and Twin Gas Peaks in the Double Nucleus. *Kazushi Sakamoto, Paul T. P. Ho, and Alison B. Peck*. 644, 862 (2006)
- SAKAMOTO, T. See BLUSTIN, A. J., et al. Swift Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
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- SAKAMOTO, YASUSHI. See KOBAYASHI, KEN, et al. Hard X-Ray Spectral Observation of a High-Temperature Thermal Flare. 648, 1239 (2006)
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- SAKO, M. See GU, M. F., et al. Capella Corona Revisited: A Combined View from XMM-Newton RGS and Chandra HETGS and LETGS. 649, 979 (2006)
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- SAKON, I. See TOKURA, D., et al. Mid-Infrared High Spatial Resolution Observations of NGC 1569: Detection of Embedded Embryos of Star Formation. 648, 355 (2006)

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- On the Primordial Scenario for Abundance Variations within Globular Clusters: The Isochrone Test. *Maurizio Salaris, Achim Weiss, Jason W. Ferguson, and David J. Fusiiler*. 645, 1131 (2006)
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- SAMBRUNA, RITA M. Deep *Chandra* and Multicolor *HST* Follow-up of the Jets in Two Powerful Radio Quasars. *Rita M. Sambruna, Mario Gliozzi, Davide Donato, L. Maraschi, F. Tavecchio, C. C. Cheung, C. Megan Urry, and J. F. C. Wardle*. 641, 717 (2006)
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- The Jet-Disk Connection in AGNs: *Chandra* and XMM-Newton Observations of Three Powerful Radio-Loud Quasars. *Rita M. Sambruna, Mario Gliozzi, F. Tavecchio, L. Maraschi, and Luigi Foschini*. 652, 146 (2006)
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- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
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- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- SÁNCHEZ, NÉSTOR. On the Properties of Fractal Cloud Complexes. *Néstor Sánchez, Emilio J. Alfaro, and Enrique Pérez*. 641, 347 (2006)
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- SÁNCHEZ CONTRERAS, C. Interferometric CO $J = 2-1$ Emission Mapping of the Protoplanetary Nebula IRAS 19475+3119. *C. Sánchez Contreras, V. Bujarrabal, A. Castro-Carrizo, J. Alcolea, and A. Sargent*. 643, 945 (2006)
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- SANDAGE, A. See SAHA, A., et al. Cepheid Distances to SNe Ia Host Galaxies Based on a Revised Photometric Zero Point of the *HST* WFPC2 and New PL Relations and Metallicity Corrections. 165, 108 (2006)
- The Hubble Constant: A Summary of the *Hubble Space Telescope* Program for the Luminosity Calibration of Type Ia Supernovae by Means of Cepheids. *A. Sandage, G. A. Tammann, A. Saha, B. Reindl, F. D. Macchetto, and N. Panagia*. 653, 843 (2006)
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- Galaxies. I. Mass Ratio Conditions for ULIRG Activity in Interacting Pairs. 638, 745 (2006)
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- See PIETSCH, W., et al. M33 X-7: ChASeM33 Reveals the First Eclipsing Black Hole X-Ray Binary. 646, 420 (2006)
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- Evidence for Shocked Molecular Gas in the Galactic Supernova Remnant CTB 109 (G109.1-1.0). *Manami Sasaki, Roland Kothes, Paul P. Plucinsky, Terrance J. Gaetz, and Christopher M. Brunt*. 642, L149 (2006)
- SASAKI, SHO. See NAOI, TAKAHIRO, et al. Near-Infrared Extinction Law in the ρ Ophiuchi and Chamaeleon Dark Clouds. 640, 373 (2006)
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- SASSELOV, D. See LECAR, M., et al. On the Location of the Snow Line in a Protoplanetary Disk. 640, 1115 (2006)
- See AERTS, C., et al. δ Ceti Is Not Monoperiodic: Seismic Modeling of a β Cephei Star from MOST Space-based Photometry. 642, 470 (2006)
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- See AERTS, C., et al. Discovery of the New Slowly Pulsating B Star HD 163830 (B5 II/III) from MOST Space-based Photometry. 642, L165 (2006)
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- See TAKAMI, HAJIME, et al. Erratum: "Propagation of Ultra-High-Energy Cosmic Rays above 10^{19} eV in a Structured Extragalactic Magnetic Field and Galactic Magnetic Field" (ApJ, 639, 803 [2006]). 653, 1584 (2006)
- SATO, M. See ENOMOTO, R., et al. A Search for Sub-TeV Gamma Rays from the Vela Pulsar Region with CANGAROO-III. 638, 397 (2006)
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- SATO, TARO. Infalling Faint [O II] Emitters in Abell 851. I. Spectroscopic Confirmation of Narrowband-selected Objects. *Taro Sato and Crystal L. Martin*. 647, 934 (2006)
- Infalling Faint [O II] Emitters in Abell 851. II. Environment, Kinematics, and Star Formation History. *Taro Sato and Crystal L. Martin*. 647, 946 (2006)
- SATO, YASUNORI. See KASHIKAWA, NOBUNARI, et al. Clustering of Lyman Break Galaxies at $z = 4$ and 5 in the Subaru Deep Field: Luminosity Dependence of the Correlation Function Slope. 637, 631 (2006)
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- Erratum: "The Link between Star Formation and Accretion in LINERs: A Comparison with Other Active Galactic Nucleus Subclasses" (ApJ, 633, 86 [2005]). *S. Satyapal, R. P. Dudik, B. O'Halloran, and M. Gliozzi*. 642, 615 (2006)
- SAUGÉ, L. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- SAUGÉ, LUDOVIC. See HENRI, GILLES, et al. The Bulk Lorentz Factor Crisis of TeV Blazars: Evidence for an Inhomogeneous Pileup Energy Distribution? 640, 185 (2006)
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- SAVAGE, BLAIR D. Properties of O VI Absorption in the Local Interstellar Medium. *Blair D. Savage and Nicolas Lehner*. 162, 134 (2006)
- See FOX, ANDREW J., et al. A Survey of O VI, C III, and H I in Highly Ionized High-Velocity Clouds. 165, 229 (2006)
- See HOWK, J. CHRISTOPHER, et al. A Method for Deriving Accurate Gas-Phase Abundances for the Multiphase Interstellar Galactic Halo. 637, 333 (2006)
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- Keck Deep Fields. III. Luminosity-dependent Evolution of the Ultraviolet Luminosity and Star Formation Rate Densities at $z \sim 4$, 3, and 2. *Marcin Sawicki and David Thompson*. 648, 299 (2006)
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- SCALO, JOHN. See ELMGREEN, BRUCE G., et al. The Effect of Star Formation History on the Inferred Stellar Initial Mass Function. 636, 149 (2006)
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- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
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- SCAPIN, V. See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
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- SCHLICKESER, R. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
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- SCHMELZ, J. T. Multithermal Analysis of a *SOHO*/CDS Coronal Loop. *J. T. Schmehl and P. C. H. Martens*. 636, L49 (2006)
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- See SODERBERG, A. M., et al. The Afterglow, Energetics, and Host Galaxy of the Short-Hard Gamma-Ray Burst 051221a. 650, 261 (2006)
- See CENKO, S. B., et al. Multiwavelength Observations of GRB 050820A: An Exceptionally Energetic Event Followed from Start to Finish. 652, 490 (2006)
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- SCHMIDT, BRIAN P. See CLOCCHIATTI, ALEJANDRO, et al. *Hubble Space Telescope* and Ground-based Observations of Type Ia Supernovae at Redshift 0.5: Cosmological Implications. 642, 1 (2006)
- See QUINN, JASON L., et al. A Light Echo from Type Ia SN 1995E? 652, 512 (2006)
- SCHMIDT, E. W. Electron-Ion Recombination Measurements Motivated by AGN X-Ray Absorption Features: Fe XIV Forming Fe XIII. *E. W. Schmidt, S. Schippers, A. Müller, M. Lestinsky, F. Sprenger, M. Grieser, R. Repnow, A. Wolf, C. Brandau, D. Lukić, M. Schnell, and D. W. Savin*. 641, L157 (2006)
- SCHMIDT, G. D. See DUFOUR, P., et al. Model Atmosphere Analysis of the Weakly Magnetic DZ White Dwarf G165-7. 651, 1112 (2006)
- SCHMIDT, GARY D. See BIEGING, JOHN H., et al. Optical Spectropolarimetry of Asymptotic Giant Branch and Post-Asymptotic Giant Branch Stars. 639, 1053 (2006)
- SCHMIDT, S. J. The DRaGONS Survey: A Search for High-Redshift Radio Galaxies and Heavily Obscured Active Galactic Nuclei. *S. J. Schmidt, A. J. Connolly, and A. M. Hopkins*. 649, 63 (2006)
- SCHMIDT, T. W. See SHARP, R. G., et al. Sequence Structure Emission in the Red Rectangle Bands. 639, 194 (2006)
- SCHMITT, H. See PETERSON, D. M., et al. Resolving the Effects of Rotation in Altair with Long-Baseline Interferometry. 636, 1087 (2006)
- SCHMITT, H. R. Multiwavelength Star Formation Indicators: Observations. *H. R. Schmitt, D. Calzetti, L. Armus, M. Gialalisco, T. M. Heckman, R. C. Kennicutt, Jr., C. Leitherer, and G. R. Meurer*. 164, 52 (2006)
- Ultraviolet-to-Far-Infrared Properties of Local Star-forming Galaxies. *H. R. Schmitt, D. Calzetti, L. Armus, M. Gialalisco, T. M. Heckman, R. C. Kennicutt, Jr., C. Leitherer, and G. R. Meurer*. 643, 173 (2006)
- SCHMITT, R. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
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- SCHNEE, SCOTT L. See RIDGE, NAOMI A., et al. The COMPLETE Nature of the Warm Dust Shell in Perseus. 643, 932 (2006)
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- See BELOKUROV, V., et al. A Faint New Milky Way Satellite in Bootes. 647, L111 (2006)
- See ZUCKER, D. B., et al. A Curious Milky Way Satellite in Ursa Major. 650, L41 (2006)
- SCHNEIDER, DONALD P. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- See McDONALD, PATRICK, et al. The Ly α Forest Power Spectrum from the Sloan Digital Sky Survey. 163, 80 (2006)
- See TRUMP, JONATHAN R., et al. A Catalog of Broad Absorption Line Quasars from the Sloan Digital Sky Survey Third Data Release. 165, 1 (2006)
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- See BERLIND, ANDREAS A., et al. Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. 167, 1 (2006)
- See EISENSTEIN, DANIEL J., et al. A Catalog of Spectroscopically Confirmed White Dwarfs from the Sloan Digital Sky Survey Data Release 4. 167, 40 (2006)
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- See OTA, NAOMI, et al. *Chandra* Observations of SDSS J1004+4112: Constraints on the Lensing Cluster and Anomalous X-Ray Flux Ratios of the Quadruply Imaged Quasar. 647, 215 (2006)
- See LIU, MICHAEL C., et al. SDSS J1534+1615AB: A Novel T Dwarf Binary Found with Keck Laser Guide Star Adaptive Optics and the Potential Role of Binarity in the L/T Transition. 647, 1393 (2006)
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- SCHNEIDER, G. The Effect of the Transit of Venus on ACRIM's Total Solar Irradiance Measurements: Implications for Transit Studies of Extrasolar Planets. *G. Schneider, J. M. Pasachoff, and Richard C. Willson*. 641, 565 (2006)
- See SONG, INSEOK, et al. *HST* NICMOS Imaging of the Planetary-mass Companion to the Young Brown Dwarf 2MASSW J1207334-393254. 652, 724 (2006)
- SCHNEIDER, GLENN. Discovery of an 86 AU Radius Debris Ring around HD 181327. *Glenn Schneider, Murray D. Silverstone, Dean C. Hines, Jean-Charles Augereau, Christophe Pinte, François Ménard, John Krist, Mark Clampin, Carol Grady, David Golimowski, David Ardila, Thomas Henning, Sebastian Wolf, and Jens Rodmann*. 650, 414 (2006)
- SCHNEIDER, MICHAEL. Using Galaxy Two-Point Correlation Functions to Determine the Redshift Distributions of Galaxies Binned by Photometric Redshift. *Michael Schneider, Lloyd Knox, Hu Zhan, and Andrew Connolly*. 651, 14 (2006)
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- SCHNITTMAN, JEREMY D. A Precessing Ring Model for Low-Frequency Quasi-periodic Oscillations. *Jeremy D. Schnittman, Jeroen Homan, and Jon M. Miller*. 642, 420 (2006)
- Light Curves from an MHD Simulation of a Black Hole Accretion Disk. *Jeremy D. Schnittman, Julian H. Krolik, and John F. Hawley*. 651, 1031 (2006)
- Quasi-periodic Oscillations in the X-Ray Light Curves from Relativistic Tori. *Jeremy D. Schnittman and Luciano Rezzolla*. 637, L113 (2006)
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- SCHÖIER, FREDRIK L. The Distribution of SiO in the Circumstellar Envelope around IRC +10216. *Fredrik L. Schöier, David Fong, Hans Olofsson, Qizhou Zhang, and Nimesh Patel*. 649, 965 (2006)
- SCHOLBERG, K. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- SCHOLZ, ALEXANDER. Variable Accretion and Outflow in Young Brown Dwarfs. *Alexander Scholz and Ray Jayawardhana*. 638, 1056 (2006)
- Exploring Brown Dwarf Disks: A 1.3 mm Survey in Taurus. *Alexander Scholz, Ray Jayawardhana, and Kenneth Wood*. 645, 1498 (2006)
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- SCHREYER, K. A Rotating Disk around the Very Young Massive Star AFGL 490. *K. Schreyer, D. Semenov, Th. Henning, and J. Forbrich*. 637, L129 (2006)
- SCHRIJVER, C. J. Gamma Rays and the Evolving, Compact Structures of the 2003 October 28 X17 Flare. *C. J. Schrijver, H. S. Hudson, R. J. Murphy, G. H. Share, and T. D. Tarbell*. 650, 1184 (2006)
- SCHROEDER, JOSHUA. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
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- See CHEN, J., et al. The Flux-Rope Scaling of the Acceleration of Coronal Mass Ejections and Eruptive Prominences. 649, 452 (2006)
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- SCHULER, SIMON C. Oxygen from the $\lambda 774$ High-Excitation Triplet in Open Cluster Dwarfs: Hyades. *Simon C. Schuler, Jeremy R. King, Donald M. Terndrup, Marc H. Pinsonneault, Norman Murray, and L. M. Hobbs*. 636, 432 (2006)
- SCHULLER, P. A. See MONNIER, J. D., et al. No Expanding Fireball: Resolving the Recurrent Nova RS Ophiuchi with Infrared Interferometry. 647, L127 (2006)
- SCHULTZ, A. S. B. See SIMPSON, JANET P., et al. *Hubble Space Telescope* NICMOS Polarization Measurements of OMC-1. 642, 339 (2006)
- SCHULZ, N. S. See LAZENDIC, J. S., et al. The Kinematic and Plasma Properties of X-Ray Knots in Cassiopeia A from the *Chandra* HETGS. 651, 250 (2006)
- See RAKOWSKI, CARA E., et al. Extraordinarily Hot X-Ray Emission from the O9 Emission-Line Star HD 119682. 649, L111 (2006)
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- See LOPEZ, LAURA A., et al. Determining the Nature of the SS 433 Binary from an X-Ray Spectrum during Eclipse. 650, 338 (2006)
- X-Ray Variability in the Young Massive Triple θ^1 Orionis A. *Norbert S. Schulz, Paola Testa, David P. Huenemoerder, Kazunori Ishibashi, and Claude R. Canizares*. 653, 636 (2006)
- SCHULZ, R. See JEHN, E., et al. *Deep Impact*: High-Resolution Optical Spectroscopy with the ESO VLT and the Keck I Telescope. 641, L145 (2006)
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- SCHWADRON, N. A. See BEMPORAD, A., et al. Current Sheet Evolution in the Aftermath of a CME Event. 638, 1110 (2006)
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- SCHWALM, D. See SAVIN, D. W., et al. Dielectronic Recombination of Fe XXIII Forming Fe XXII: Laboratory Measurements and Theoretical Calculations. 642, 1275 (2006)
- SCHWANKE, U. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- SCHWARTZ, C. M. Kinematics of Interstellar Gas in Nearby UV-selected Galaxies Measured with *HST* STIS Spectroscopy. *C. M. Schwartz, C. L. Martin, R. Chandar, C. Leitherer, T. M. Heckman, and M. S. Oey*. 646, 858 (2006)
- SCHWARTZ, D. A. *Chandra* Observations of Magnetic Fields and Relativistic Beaming in Four Quasar Jets. *D. A. Schwartz, H. L. Marshall, J. E. J. Lovell, D. W. Murphy, G. V. Bicknell, M. Birkinshaw, J. Gelbord, M. Georganopoulos, L. Godfrey, D. L. Jauncey, E. S. Perlman, and D. M. Worrall*. 640, 592 (2006)
- Discovery of an X-Ray Jet and Extended Jet Structure in the Quasar PKS 1055+201. *D. A. Schwartz, H. L. Marshall, J. E. J. Lovell, D. W. Murphy, G. V. Bicknell, M. Birkinshaw, J. M. Gelbord, M. Georganopoulos, L. Godfrey, D. L. Jauncey, S. Jester, E. S. Perlman, and D. M. Worrall*. 647, L107 (2006)
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- SCHWARTZ, MICHAEL. See RABINOWITZ, DAVID L., et al. Photometric Observations Constraining the Size, Shape, and Albedo of 2003 EL61, a Rapidly Rotating, Pluto-sized Object in the Kuiper Belt. 639, 1238 (2006)
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- SCHWARZ, HUGO E. Three-Dimensional Photoionization Structure and Distances of Planetary Nebulae. III. NGC 6781. *Hugo E. Schwarz and Hektor Monteiro*. 648, 430 (2006)
- SCHWARZENBERG-CZERNY, A. See BEAULIEU, J.-P., et al. Detection of Beat Cepheids in M33 and Their Use as a Probe of the M33 Metallicity Distribution. 653, L101 (2006)
- SCHWEITZER, M. *Spitzer* Quasar and ULIRG Evolution Study (QUEST). I. The Origin of the Far-Infrared Continuum of QSOs. *M. Schweitzer, D. Lutz, E. Sturm, A. Contursi, L. J. Tacconi, M. D. Lehnert, K. M. Dasyra, R. Genzel, S. Veilleux, D. Rupke, D.-C. Kim, A. J. Baker, H. Netzer, A. Sternberg, J. Mazzarella, and S. Lord*. 649, 79 (2006)
- SCHWEIZER, F. See BALDI, A., et al. Chemical Enrichment of the Complex Hot ISM of the Antennae Galaxies. I. Spatial and Spectral Analysis of the Diffuse X-Ray Emission. 162, 113 (2006)
- See ZEAS, A., et al. *Chandra* Monitoring Observations of The Antennae Galaxies. I. Catalog of Source Properties. 166, 211 (2006)
- See BALDI, A., et al. Chemical Enrichment of the Complex Hot ISM of the Antennae Galaxies. II. Physical Properties of the Hot Gas and Supernova Feedback. 636, 158 (2006)
- SCHWEIZER, T. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
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- SCRANTON, RYAN. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- See BERLIND, ANDREAS A., et al. Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. 167, 1 (2006)
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- SDSS COLLABORATION, THE. See BERLIND, ANDREAS A., et al. Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. 167, 1 (2006)
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- SEAQUIST, E. R. See YAO, LIHONG, et al. Starburst Models for Far-Infrared/Submillimeter/Millimeter Line Emission. I. An Expanding Supershell Surrounding a Massive Star Cluster. 636, 881 (2006)
- A High-Resolution Map of $^{12}\text{CO } J = 6-5$ Emission in the Starburst Galaxy M82. *E. R. Seaquist, S. W. Lee, and G. H. Moriarty-Schieven*. 638, 148 (2006)
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- SEIFFERT, M. See SINGAL, J., et al. The Cosmic Microwave Background Temperature and Galactic Emission at 8.0 and 8.3 GHz. 653, 835 (2006)
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- SELLWOOD, J. A. Bar-Halo Friction in Galaxies. I. Scaling Laws. *J. A. Sellwood*. 637, 567 (2006)
- Bar-Halo Friction in Galaxies. II. Metastability. *J. A. Sellwood and Victor P. Debattista*. 639, 868 (2006)
- SEMAN, M. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
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- Chandra* Observation of the Magellanic Cloud Supernova Remnant 0454-67.2 in N9. *F. D. Seward, R. M. Williams, Y.-H. Chu, J. R. Dickel, R. C. Smith, and S. D. Points*. 640, 327 (2006)
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- SHAFTER, A. W. Modeling Eclipses in the Classical Nova V Persei: The Role of the Accretion Disk Rim. *A. W. Shafter and K. A. Missett*. 644, 1104 (2006)
- Erratum: "Modeling Eclipses in the Classical Nova V Persei: The Role of the Accretion Disk Rim" (ApJ, 644, 1104 [2006]). *A. W. Shafter and K. A. Missett*. 653, 1586 (2006)
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- SHALCHI, A. Parallel and Perpendicular Transport of Heliospheric Cosmic Rays in an Improved Dynamical Turbulence Model. *A. Shalchi, J. W. Bieber, W. H. Matthaeus, and R. Schlickeiser*. 642, 230 (2006)
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- SHANKAR, F. New Relationships between Galaxy Properties and Host Halo Mass, and the Role of Feedbacks in Galaxy Formation. *F. Shankar, A. Lapi, P. Salucci, G. De Zotti, and L. Danese*. 643, 14 (2006)
- See LAPI, A., et al. Quasar Luminosity Functions from Joint Evolution of Black Holes and Host Galaxies. 650, 42 (2006)
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- at $z \sim 2$: Implications for Star Formation in High-Redshift Galaxies. 647, 128 (2006)
- The Direct Detection of Lyman Continuum Emission from Star-forming Galaxies at $z \sim 3$. *Alice E. Shapley, Charles C. Steidel, Max Pettini, Kurt L. Adelberger, and Dawn K. Erb*. 651, 688 (2006)
- See REDDY, NAVEEN A., et al. A Spectroscopic Survey of Redshift $1.4 \leq z \leq 3.0$ Galaxies in the GOODS-North Field: Survey Description, Catalogs, and Properties. 653, 1004 (2006)
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- SHASTRI, PRAJVAL. O VI Asymmetry and an Accelerated Outflow in an Obscured Seyfert: *FUSE* and *HST* STIS Spectroscopy of Mrk 533. *Prajval Shastri, John Hutchings, Jayant Murthy, Mark Whittle, and Beverley J. Willis*. 646, 76 (2006)
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- SHAW, RICHARD A. *Hubble Space Telescope* Images of Magellanic Cloud Planetary Nebulae. *Richard A. Shaw, Letizia Stanghellini, Eva Villaver, and Max Mutchler*. 167, 201 (2006)
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- The Hard X-Ray Spectral Slope as an Accretion Rate Indicator in Radio-quiet Active Galactic Nuclei. *Ohad Shemmer, W. N. Brandt, Hagai Netzer, Roberto Maiolino, and Shai Kaspi*. 646, L29 (2006)
- SHEN, CHENGLONG. Is There Any Evident Effect of Coronal Holes on Gradual Solar Energetic Particle Events? *Chenglong Shen, Yuming Wang, Pinzhong Ye, and S. Wang*. 639, 510 (2006)
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- SHEN, JIAJIAN. An Excursion Set Model of the Cosmic Web: The Abundance of Sheets, Filaments, and Halos. *Jiajian Shen, Tom Abel, H. J. Mo, and Ravi K. Sheth*. 645, 783 (2006)
- SHEN, SIJING. Proto-Brown Dwarf Disks as Products of Protostellar Disk Encounters. *Sijing Shen and James Wadsway*. 651, L145 (2006)
- SHEN, YUE. Three-dimensional Compressible Hydrodynamic Simulations of Vortices in Disks. *Yue Shen, James M. Stone, and Thomas A. Gardiner*. 653, 513 (2006)
- SHEN, ZHI-QIANG. See CHEN, XI, et al. Inward Motions of the Compact SiO Masers around VX Sagittarii. 640, 982 (2006)
- See YUAN, FENG, et al. Testing the Radiatively Inefficient Accretion Flow Model for Sagittarius A* Using the Size Measurements. 642, L45 (2006)
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- SHETH, K. See MURPHY, E. J., et al. An Initial Look at the Far-Infrared-Radio

- Correlation within Nearby Star-forming Galaxies Using the *Spitzer Space Telescope*. 638, 157 (2006)
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- SHETH, KARTIK. See ELMGREEN, DEBRA MELOY, et al. *Spitzer Space Telescope* IRAC and MIPS Observations of the Interacting Galaxies IC 2163 and NGC 2207: Clumpy Emission. 642, 158 (2006)
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- SHETH, RAVI K. See SHEN, JIAJIAN, et al. An Excursion Set Model of the Cosmic Web: The Abundance of Sheets, Filaments, and Halos. 645, 783 (2006)
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- SHETRONE, M. See HELMI, AMINA, et al. A New View of the Dwarf Spheroidal Satellites of the Milky Way from VLT FLAMES: Where Are the Very Metal-poor Stars? 651, L121 (2006)
- SHETTY, RAHUL. Global Modeling of Spur Formation in Spiral Galaxies. Rahul Shetty and Eve C. Ostriker. 647, 997 (2006)
- SHI, Y. Morphology of *Spitzer* 24 μ m Detected Galaxies in the UDF: The Links between Star Formation and Galaxy Morphology. Y. Shi, G. H. Rieke, C. Papovich, P. G. Pérez-González, and E. Le Floc'h. 645, 199 (2006)
- 9.7 μ m Silicate Features in Active Galactic Nuclei: New Insights into Unification Models. Y. Shi, G. H. Rieke, D. C. Hines, V. Gorjian, M. W. Werner, K. Cleary, F. J. Low, P. S. Smith, and J. Bouwman. 653, 127 (2006)
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- SHIBATA, T. A Possible Approach to Three-dimensional Cosmic-Ray Propagation in the Galaxy. II. Stable Nuclei with Energy Change. T. Shibata, M. Hareyama, M. Nakazawa, and C. Saito. 642, 882 (2006)
- SHIELDS, G. A. The Black Hole–Bulge Relationship for QSOs at High Redshift. G. A. Shields, K. L. Menezes, C. A. Massart, and P. Vanden Bout. 641, 683 (2006)
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- SHIMASAKU, KAZU. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
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- Diffuse Far-Ultraviolet Observations of the Lupus Loop Region. J.-H. Shim, K. W. Min, C.-N. Lee, J. Edelstein, E. J. Korpe, B. Y. Welsh, W. Han, U.-W. Nam, H. Jin, and D.-H. Lee. 644, L189 (2006)
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- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
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- Gravitational Collapse of Magnetized Clouds. II. The Role of Ohmic Dissipation. *Frank H. Shu, Daniele Galli, Susana Lizano, and Mike Cai*. 647, 382 (2006)
- SHULL, J. MICHAEL. See GILLMON, KRISTEN, et al. A *FUSE* Survey of Interstellar Molecular Hydrogen toward High-Latitude AGNs. 636, 891 (2006)
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- SUPE, DAVE L. See POLLETTA, MARIA DEL CARMEN, et al. *Chandra* and *Spitzer* Unveil Heavily Obscured Quasars in the *Chandra*/SWIRE Survey. 642, 673 (2006)
- SHUPING, R. Y. Silicate Emission Profiles from Low-Mass Protostellar Disks in the Orion Nebula: Evidence for Growth and Thermal Processing of Grains. *R. Y. Shuping, Marc Kassis, Mark Morris, Nathan Smith, and John Bally*. 644, L71 (2006)
- SIANA, B. See WEEDMAN, D., et al. Active Galactic Nucleus and Starburst Classification from *Spitzer* Mid-Infrared Spectra for High-Redshift SWIRE Sources. 653, 101 (2006)
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- SIEGEL, E. R. Cosmological Structure Formation Creates Large-Scale Magnetic Fields. *E. R. Siegel and J. N. Fry*. 651, 627 (2006)
- SIEGEL, MICHAEL H. RR Lyrae Stars in the Boötes Dwarf Spheroidal Galaxy. *Michael H. Siegel*. 649, L83 (2006)
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- SILLS, ALISON. See WIERSMA, ROBERT, et al. The Effect of Pre-Main-Sequence Stars on Star Cluster Dynamics. 637, 838 (2006)
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- and an X-Ray Flare from the Ultraluminous X-Ray Source in M82. 646, 174 (2006)
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- A Rich Population of X-Ray-emitting Wolf-Rayet Stars in the Galactic Starburst Cluster Westerlund 1. *S. L. Skinner, A. E. Simmons, S. A. Zhekov, M. Teodoro, A. Damineli, and F. Palla*. 639, L35 (2006)
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- 28–30 Coronal Mass Ejection and Interplanetary Coronal Mass Ejection. 642, 541 (2006)
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- See FARRAH, D., et al. The Spatial Clustering of Ultraluminous Infrared Galaxies over $1.5 < z < 3$. 641, L17 (2006)
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- SMITH, HOWARD A. Outflows from Massive Young Stellar Objects as Seen with the Infrared Array Camera. *Howard A. Smith, J. L. Hora, M. Marengo, and Judith L. Pipher*. 645, 1264 (2006)
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- SMITH, J. D. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- See CROWTHER, PAUL A., et al. An Ultraviolet to Mid-Infrared Study of the Physical and Wind Properties of HD 164270 (WC9) and Comparison to BD +30 3639 ([WC9]). 636, 1033 (2006)
- See BROWN, MICHAEL J. I., et al. The $1 < z < 5$ Infrared Luminosity Function of Type I Quasars. 638, 88 (2006)
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- Rotational and Cyclical Variability in γ Cassiopeia. *Myron A. Smith, Gregory W. Henry, and Ethan Vishniac*. 647, 1375 (2006)
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- See ZUCKER, D. B., et al. A Curious Milky Way Satellite in Ursa Major. 650, L41 (2006)
- SNEDDEN, STEPHANIE A. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
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- SOCAS-NAVARRO, H. Erratum: "Polynomial Approximants for the Calculation of Polarization Profiles in the He I 10830 Å Multiplet" (ApJS, 160, 312 [2005]). H. Socas-Navarro, J. Trujillo Bueno, and E. Landi Degl'Innocenti. 166, 441 (2006)
- See PIETARILA, A., et al. Simulation of Quiet-Sun Waves in the Ca II Infrared Triplet. 640, 1142 (2006)
- SOCRATES, ARISTOTLE. Ultraluminous X-Ray Sources Powered by Radiatively Efficient Two-Phase Super-Eddington Accretion onto Stellar-Mass Black Holes. Aristotle Socrates and Shane W. Davis. 651, 1049 (2006)
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- J. Rich, K. Roth, M. Roth, B. P. Schmidt, R. C. Smith, and P. R. Wood. 636, 391 (2006)
- Late-Time Radio Observations of 68 Type Ibc Supernovae: Strong Constraints on Off-Axis Gamma-Ray Bursts. *A. M. Soderberg, E. Nakar, E. Berger, and S. R. Kulkarni*. 638, 930 (2006)
- The Afterglow, Energetics, and Host Galaxy of the Short-Hard Gamma-Ray Burst 051221a. *A. M. Soderberg, E. Berger, M. Kasliwal, D. A. Frail, P. A. Price, B. P. Schmidt, S. R. Kulkarni, D. B. Fox, S. B. Cenko, A. Gal-Yam, E. Nakar, and K. C. Roth*. 650, 261 (2006)
- The Radio and X-Ray Luminous SN 2003bg and the Circumstellar Density Variations around Radio Supernovae. *A. M. Soderberg, R. A. Chevalier, S. R. Kulkarni, and D. A. Frail*. 651, 1005 (2006)
- See CENKO, S. B., et al. Multiwavelength Observations of GRB 050820A: An Exceptionally Energetic Event Followed from Start to Finish. 652, 490 (2006)
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- SOLLERMAN, JESPER. See HENG, KEVIN, et al. Evolution of the Reverse Shock Emission from SNR 1987A. 644, 959 (2006)
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- SOLLIMA, A. See FERRARO, F. R., et al. The Pure Noncollisional Blue Straggler Population in the Giant Stellar System ω Centauri. 638, 433 (2006)
- New Metallicities of RR Lyrae Stars in ω Centauri: Evidence for a Non-Enhanced Metal-intermediate Population. *A. Sollima, J. Borissova, M. Catelan, H. A. Smith, D. Minniti, C. Cacciari, and F. R. Ferraro*. 640, L43 (2006)
- SOLOMON, P. M. See GARCÍA-BURILLO, S., et al. A New Probe of Dense Gas at High Redshift: Detection of HCO⁺ (5–4) Line Emission in APM 08279+5255. 645, L17 (2006)
- SOMERVILLE, RACHEL S. See JONSSON, PATRIK, et al. Simulations of Dust in Interacting Galaxies. I. Dust Attenuation. 637, 255 (2006)
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- SOMMER-LARSEN, JESPER. Where Are the "Missing" Galactic Baryons? *Jesper Sommer-Larsen*. 644, L1 (2006)
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- SONG, HUI. See JING, JU, et al. The Statistical Relationship between the

- Photospheric Magnetic Parameters and the Flare Productivity of Active Regions. 644, 1273 (2006)
- See JING, JU, et al. Erratum: "The Statistical Relationship between the Photospheric Magnetic Parameters and the Flare Productivity of Active Regions" (ApJ, 644, 1273 [2006]). 652, 1796 (2006)
- SONG, IN-OK. See LEE, HEE-WON, et al. Raman-scattered He II $\lambda\lambda 4850, 6545$ in the Young and Compact Planetary Nebula IC 5117. 636, 1045 (2006)
- SONG, INSEOK. *HST* NICMOS Imaging of the Planetary-mass Companion to the Young Brown Dwarf 2MASSW J1207334-393254. *Inseok Song, G. Schneider, B. Zuckerman, J. Farihi, E. E. Becklin, M. S. Bessell, P. Lowrance, and B. A. Macintosh*. 652, 724 (2006)
- See ZUCKERMAN, B., et al. The Carina-Near Moving Group. 649, L115 (2006)
- SONG, M. T. A New and Fast Way to Reconstruct a Nonlinear Force-free Field in the Solar Corona. M. T. Song, C. Fang, Y. H. Tang, S. T. Wu, and Y. A. Zhang. 649, 1084 (2006)
- SONG, MUTAO. See JI, HAISHENG, et al. Converging Motion of H α Conjugate Kernels: The Signature of Fast Relaxation of a Sheared Magnetic Field. 636, L173 (2006)
- SONG, WENBIN. Large-Scale Solar Cycle Features of Photospheric Magnetic Flux. *Wenbin Song and Jingxiu Wang*. 643, L69 (2006)
- SONG, YONG-SEON. See KNOX, LLOYD, et al. Weighing the Universe with Photometric Redshift Surveys and the Impact on Dark Energy Forecasts. 652, 857 (2006)
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- Chlorine in the Galactic Interstellar Medium: Revised *f*-Values with the Far Ultraviolet Spectroscopic Explorer and the Space Telescope Imaging Spectrograph. P. Sonnentrucker, S. D. Friedman, and D. G. York. 650, L115 (2006)
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- Accretion and Nuclear Activity of Quiescent Supermassive Black Holes. II. Optical Study and Interpretation. R. Soria, A. Alister W. Graham, G. Fabbiano, A. Baldi, M. Elvis, H. Jerjen, S. Pellegrini, and A. Siemiginowska. 640, 143 (2006)
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- The Araucaria Project: Distance to the Local Group Galaxy NGC 3109 from Near-Infrared Photometry of Cepheids. I. Soszyński, W. Gieren, G. Pietrzyński, F. Bresolin, R.-P. Kudritzki, and J. Storm. 648, 375 (2006)
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- See GIEREN, WOLFGANG, et al. The Araucaria Project: An Accurate Distance to the Local Group Galaxy NGC 6822 from Near-Infrared Photometry of Cepheid Variables. 647, 1056 (2006)
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- SPADARO, D. A Transient Heating Model for the Structure and Dynamics of the Solar Transition Region. D. Spadaro, A. F. Lanza, J. T. Karpen, and S. K. Antiochos. 642, 579 (2006)
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- Feature in the Spectra of Oxygen-rich Asymptotic Giant Branch Stars. I. Corundum and Spinel. 640, 971 (2006)
- SPECK, ANGELA K. The Unusual *Spitzer* Spectrum of the Carbon Star IRAS 04496–6958: A Different Condensation Sequence in the LMC? *Angela K. Speck, Jan Cami, Ciska Markwick-Kemper, Jarron Leisenring, Ryszard Szczerba, Catharinus Dijkstra, Schuyler Van Dyk, and Margaret Meixner*. 650, 892 (2006)
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- SPICER, D. S. A Kopp-Pneuman-like Picture of Coronal Mass Ejections. *D. S. Spicer, D. Sibeck, B. J. Thompson, and J. M. Davila*. 643, 1304 (2006)
- SPIESMAN, BILL. See LEE, JEONG-EUN, et al. The *Spitzer* c2d Survey of Nearby Dense Cores. III. Low-Mass Star Formation in a Small Group. L1251B. 648, 491 (2006)
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- SPINELLI, P. F. An Atlas of *Hubble Space Telescope* STIS Spectra of Seyfert Galaxies. *P. F. Spinelli, T. Storchi-Bergmann, C. H. Brandt, and D. Calzetti*. 166, 498 (2006)
- SPINRAD, HYRON. See STANFORD, S. A., et al. The *XMM* Cluster Survey: A Massive Galaxy Cluster at $z = 1.45$. 646, L13 (2006)
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- SPOON, H. W. W. The Detection of Crystalline Silicates in Ultraluminous Infrared Galaxies. *H. W. W. Spoon, A. G. G. M. Tielens, L. Armus, G. C. Sloan, B. Sargent, J. Cami, V. Charmandaris, J. R. Houck, and B. T. Soifer*. 638, 759 (2006)
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- Polycyclic Aromatic Hydrocarbons in Carbonaceous Soot Produced by Laser Pyrolysis. 166, 557 (2006)
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- See MODJAZ, M., et al. Early-Time Photometry and Spectroscopy of the Fast Evolving SN 2006aj Associated with GRB 060218. 645, L21 (2006)
- STANEK, R. The X-Ray Luminosity-Mass Relation for Local Clusters of Galaxies. *R. Stanek, A. E. Evrard, H. Böhringer, P. Schuecker, and B. Nord.* 648, 956 (2006)
- STANFORD, LAURA M. The Age and Metallicity Relation of ω Centauri. *Laura M. Stanford, Gary S. Da Costa, John E. Norris, and Russell D. Cannon.* 647, 1075 (2006)
- A Sr-rich Star on the Main Sequence of ω Centauri. *Laura M. Stanford, G. S. Da Costa, John E. Norris, and Russell D. Cannon.* 653, L117 (2006)
- STANFORD, S. A. See MEI, S., et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Blue Early-Type Galaxies and Red Pairs in RDCS J0910+5422. 639, 81 (2006)
- See ELSTON, RICHARD J., et al. The FLAMINGOS Extragalactic Survey. 639, 816 (2006)
- See PROCHASKA, J. X., et al. The Galaxy Hosts and Large-Scale Environments of Short-Hard Gamma-Ray Bursts. 642, 989 (2006)
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- The XMM Cluster Survey: A Massive Galaxy Cluster at $z = 1.45$. *S. A. Stanford, A. Kathy Romer, Kivanc Sabirli, Michael Davidson, Matt Hilton, Pedro T. P. Viana, Chris A. Collins, Scott T. Kay, Andrew R. Liddle, Robert G. Mann, Christopher J. Miller, Robert C. Nichol, Michael J. West, Christopher J. Conselice, Hyron Spinrad, Daniel Stern, and Kevin Bundy.* 646, L13 (2006)
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- STANGER, A. See GIBSON, S. E., et al. The Calm before the Storm: The Link between Quiescent Cavities and Coronal Mass Ejections. 641, 590 (2006)
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- Merging of Elliptical Galaxies as a Possible Origin of the Intergalactic Stellar Population. *Letizia Stanghellini, A. Cesar González-García, and Arturo Manchado.* 644, 843 (2006)
- Planetary Nebula Abundances and Morphology: Probing the Chemical Evolution of the Milky Way. *Letizia Stanghellini, Martín Antonio Guerrero, Katia Cunha, Arturo Manchado, and Eva Villaver.* 651, 898 (2006)
- STANIMIROVIĆ, SNEŽANA. First Results from the Arecibo Galactic H I Survey: The Disk/Halo Interface Region in the Outer Galaxy. *Snežana Stanimirović, Mary Putman, Carl Heiles, Joshua E. G. Peek, Paul F. Goldsmith, Bon-Chul Koo, Marko Krčo, Jae-Joon Lee, Jeff Mock, Erik Muller, Jagadheep D. Pandian, Aaron Parsons, Yvonne Tang, and Dan Werthimer.* 653, 1210 (2006)
- STANISHEV, V. See CONLEY, A., et al. Measurement of Ω_m , Ω_Λ from a Blind Analysis of Type Ia Supernovae with CMAGIC: Using Color Information to Verify the Acceleration of the Universe. 644, 1 (2006)
- STANSBERRY, J. A. See BRYDEN, G., et al. Frequency of Debris Disks around Solar-Type Stars: First Results from a *Spitzer* MIPS Survey. 636, 1098 (2006)
- The Albedo, Size, and Density of Binary Kuiper Belt Object (47171) 1999 TC₃₀. *J. A. Stansberry, W. M. Grundy, J. L. Margot, D. P. Cruikshank, J. P. Emery, G. H. Rieke, and D. E. Trilling.* 643, 556 (2006)
- See BRYDEN, G., et al. *Spitzer* MIPS Limits on Asteroidal Dust in the Pulsar Planetary System PSR B1257+12. 646, 1038 (2006)
- See SU, K. Y. L., et al. Debris Disk Evolution around A Stars. 653, 675 (2006)
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- STAPELFELDT, K. R. See BRYDEN, G., et al. Frequency of Debris Disks around Solar-Type Stars: First Results from a *Spitzer* MIPS Survey. 636, 1098 (2006)
- See BEICHMAN, C. A., et al. IRS Spectra of Solar-Type Stars: A Search for Asteroid Belt Analogs. 639, 1166 (2006)
- See BRYDEN, G., et al. *Spitzer* MIPS Limits on Asteroidal Dust in the Pulsar Planetary System PSR B1257+12. 646, 1038 (2006)
- See MARENGO, M., et al. A *Spitzer* IRAC Search for Substellar Companions of the Debris Disk Star ϵ Eridani. 647, 1437 (2006)
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- See SU, K. Y. L., et al. Debris Disk Evolution around A Stars. 653, 675 (2006)
- STAPELFELDT, KARL R. See HARVEY, PAUL M., et al. The *Spitzer* c2d Survey of Large, Nearby, Interstellar Clouds. II. Serpens Observed with IRAC. 644, 307 (2006)
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- STAPPERS, B. W. See LORIMER, D. R., et al. Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. 640, 428 (2006)
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- STARK, ANTONY A. Giant Molecular Clouds Are More Concentrated toward Spiral Arms than Smaller Clouds. *Antony A. Stark and Youngung Lee.* 641, L113 (2006)
- STARK, D. P. Near-Infrared Synthetic Images of Protostellar Disks and Envelopes. *D. P. Stark, B. A. Whitney, K. Stassun, and K. Wood.* 649, 900 (2006)
- STARK, DANIEL P. See BONEV, BONCHO P., et al. A Comprehensive Study of Infrared OH Prompt Emission in Two Comets. I. Observations and Effective g -Factors. 653, 774 (2006)
- STARK, L. See ALBERT, J., et al. Observation of Very High Energy Gamma-

- Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- STARK, L. S. See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
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- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
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- See SILVERSTONE, M. D., et al. Formation and Evolution of Planetary Systems (FEPS): Primordial Warm Dust Evolution from 3 to 30 Myr around Sun-like Stars. 639, 1138 (2006)
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- STAWARZ, L. Kiloparsec-Scale Jets in FR I Radio Galaxies and the γ -Ray Background. *L. Stawarz, T. M. Kneiske, and J. Kataoka*. 637, 693 (2006)
- See CHEUNG, C. C., et al. Confronting X-Ray Emission Models with the Highest Redshift Kiloparsec-Scale Jets: The $z = 3.89$ Jet in Quasar 1745+624. 650, 679 (2006)
- STAWARZ, LUKASZ. See KATAOKA, JUN, et al. The X-Ray Jet in Centaurus A: Clues to the Jet Structure and Particle Acceleration. 641, 158 (2006)
- STECKER, F. W. Intergalactic Photon Spectra from the Far-IR to the UV Lyman Limit for $0 < z < 6$ and the Optical Depth of the Universe to High-Energy Gamma Rays. *F. W. Stecker, M. A. Malkan, and S. T. Scully*. 648, 774 (2006)
- A Simple Analytic Treatment of the Intergalactic Absorption Effect in Blazar Gamma-Ray Spectra. *F. W. Stecker and S. T. Scully*. 652, L9 (2006)
- STECKLUM, B. See PUGA, E., et al. Outflows, Disks, and Stellar Content in a Region of High-Mass Star Formation: G5.89–0.39 with Adaptive Optics. 641, 373 (2006)
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- GEMINI Spectroscopy of the Ultracompact Binary Candidate V407 Vulpeculae. *D. Steeghs, T. R. Marsh, S. C. C. Barros, G. Nelemans, P. J. Groot, G. H. A. Roelofs, G. Ramsay, and M. Cropper*. 649, 382 (2006)
- See MILLER, J. M., et al. A Long, Hard Look at the Low/Hard State in Accreting Black Holes. 653, 525 (2006)
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- STEENKAMP, R. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- STEEVES, ADAM H. See BECHTEL, HANS A., et al. Laboratory Measurements of the Hyperfine Structure of H¹⁴N¹²C and D¹⁴N¹²C. 649, L53 (2006)
- STEFANI, FRANK. See RÜDIGER, GÜNTHER, et al. The Traveling-Wave MRI in Cylindrical Taylor-Couette Flow: Comparing Wavelengths and Speeds in Theory and Experiment. 649, L145 (2006)
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- See BAKOS, GÁSPÁR Á., et al. A Stellar Companion in the HD 189733 System with a Known Transiting Extrasolar Planet. 641, L57 (2006)
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- STEIDEL, C. C. See BERGER, E., et al. Spectroscopy of GRB 050505 at $z = 4.275$: A $\log N(\text{H I}) = 22.1$ DLA Host Galaxy and the Nature of the Progenitor. 642, 979 (2006)
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- See ERB, DAWN K., et al. The Mass-Metallicity Relation at $z \gtrsim 2$. 644, 813 (2006)
- See ERB, DAWN K., et al. The Stellar, Gas, and Dynamical Masses of Star-forming Galaxies at $z \sim 2$. 646, 107 (2006)
- See ERB, DAWN K., et al. H α Observations of a Large Sample of Galaxies at $z \sim 2$: Implications for Star Formation in High-Redshift Galaxies. 647, 128 (2006)
- See SHAPLEY, ALICE E., et al. The Direct Detection of Lyman Continuum Emission from Star-forming Galaxies at $z \sim 3$. 651, 688 (2006)
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- STEIN, R. F. See PIETARILA, A., et al. Simulation of Quiet-Sun Waves in the Ca II Infrared Triplet. 640, 1142 (2006)
- Solar Small-Scale Magnetoconvection. *R. F. Stein and Å. Nordlund*. 642, 1246 (2006)
- STEINACKER, J. Ray Tracing for Complex Astrophysical High-opacity Structures. *J. Steinacker, A. Bacmann, and T. Henning*. 645, 920 (2006)
- See CHINI, R., et al. A Remnant Disk around a Young Massive Star. 645, L61 (2006)
- STEINER, J. See McNAMARA, B. R., et al. The Starburst in the Abell 1835 Cluster Central Galaxy: A Case Study of Galaxy Formation Regulated by an Outburst from a Supermassive Black Hole. 648, 164 (2006)
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- See CAPITANIO, F., et al. Spectral States of the X-Ray Binary IGR J17091–3624 Observed by *INTEGRAL* and *RXTE*. 643, 376 (2006)
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- See LANDI, R., et al. *Swift* XRT Follow-up Observations of TeV Sources of the HESS Inner Galaxy Survey. 651, 190 (2006)
- See BASSANI, L., et al. *INTEGRAL* IBIS Extragalactic Survey: Active Galactic Nuclei Selected at 20–100 keV. 636, L65 (2006)
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- STERN, ALAN. See FINKELSTEIN, STEVEN L., et al. Optical Structure and Proper-Motion Age of the Oxygen-rich Supernova Remnant 1E 0102–7219 in the Small Magellanic Cloud. 641, 919 (2006)
- STERN, D. See BORYS, C., et al. MIPS J142824.0+352619: A Hyperluminous Starburst Galaxy at $z = 1.325$. 636, 134 (2006)
- See PROCHASKA, J. X., et al. The Galaxy Hosts and Large-Scale Environments of Short-Hard Gamma-Ray Bursts. 642, 989 (2006)
- See BRODWIN, M., et al. Photometric Redshifts in the IRAC Shallow Survey. 651, 791 (2006)
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- STERN, DANIEL. See ECKART, MEGAN E., et al. The Serendipitous Extragalactic X-Ray Source Identification (SEXSI) Program. III. Optical Spectroscopy. 165, 19 (2006)
- See SMITH, GRAHAM P., et al. Optical and Infrared Nondetection of the $z = 10$ Galaxy behind Abell 1835. 636, 575 (2006)
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- See STANFORD, S. A., et al. The *XMM* Cluster Survey: A Massive Galaxy Cluster at $z = 1.45$. 646, L13 (2006)
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- See CATELAN, M., et al. Deep *HST* Photometry of NGC 6388: Age and Horizontal-Branch Luminosity. 651, L133 (2006)
- STIAVELLI, M. See TRENTI, M., et al. Neutral Gas Density in Damped Ly α Systems. 651, 51 (2006)
- See TRENTI, M., et al. Dust Absorption Along the Line of Sight for High-Redshift Objects. 651, 704 (2006)
- STIL, J. M. Compact H I Clouds at High Forbidden Velocities in the Inner Galaxy. *J. M. Stil, Felix J. Lockman, A. R. Taylor, J. M. Dickey, D. W. Kavaars, P. G. Martin, T. A. Rothwell, A. I. Boothroyd, and N. M. McClure-Griffiths*. 637, 366 (2006)
- STILL, M. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
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- Afterglows of Gamma-Ray Bursts: Evidence for Relative Paucity of Detection. 652, 1416 (2006)
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- See MARCHENKO, S. V., et al. The Origin of Structures in Wolf-Rayet Winds: *FUSE* Observations of WR 135. 639, L75 (2006)
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- STOCKDALE, C. J. See KILGARD, R. E., et al. Erratum: "A *Chandra* Survey of Nearby Spiral Galaxies. I. Point Source Catalogs" (ApJS, 159, 214 [2005]). 163, 424 (2006)
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- The Galaxy Environment of O VI Absorption Systems. *John T. Stocke, Steven V. Penton, Charles W. Danforth, J. Michael Shull, Jason Tumlinson, and Kevin M. McLin.* 641, 217 (2006)
- See FINKELSTEIN, STEVEN L., et al. Optical Structure and Proper-Motion Age of the Oxygen-rich Supernova Remnant IE 0102-7219 in the Small Magellanic Cloud. 641, 919 (2006)
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- STOCKTON, A. See MAIER, C., et al. Oxygen Gas Abundances at $z \sim 1.4$: Implications for the Chemical Evolution History of Galaxies. 639, 858 (2006)
- See MAIER, C., et al. Erratum: "Oxygen Gas Abundances at $z \sim 1.4$: Implications for the Chemical Evolution History of Galaxies" (ApJ, 639, 858 [2006]). 643, 584 (2006)
- STOCKTON, ALAN. See GUYON, O., et al. Near-Infrared Adaptive Optics Imaging of QSO Host Galaxies. 166, 89 (2006)
- Extended X-Ray Emission from QSOs. *Alan Stockton, Hai Fu, J. Patrick Henry, and Gabriela Canalizo.* 638, 635 (2006)
- See FU, HAI, et al. Integral Field Spectroscopy of the Extended Emission-Line Region of 3C 249.1. 650, 80 (2006)
- Extremely Red Objects in Two Quasar Fields at $z \sim 1.4$. *Alan Stockton, Elizabeth McGrath, and Gabriela Canalizo.* 650, 706 (2006)
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- STOKES, B. T. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)
- STOKSTAD, R. G. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- See CHURCHWELL, E., et al. The Bubbling Galactic Disk. 649, 759 (2006)
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- STOMSKI, JR., P. J. See BROWN, M. E., et al. Satellites of the Largest Kuiper Belt Objects. 639, L43 (2006)
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- STONE, J. L. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- STONE, JAMES M. See SHARMA, PRATEEK, et al. Shearing Box Simulations of the MRI in a Collisionless Plasma. 637, 952 (2006)
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- See BLAES, OMER M., et al. Magnetic Pressure Support and Accretion Disk Spectra. 645, 1402 (2006)
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- STONEHILL, L. C. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- STORM, J. See SOSZYŃSKI, I., et al. The Araucaria Project: Distance to the Local Group Galaxy NGC 3109 from Near-Infrared Photometry of Cepheids. 648, 375 (2006)
- See DEL PRINCIPE, M., et al. A Pulsational Distance to ω Centauri Based on Near-Infrared Period-Luminosity Relations of RR Lyrae Stars. 652, 362 (2006)
- STORM, JESPER. See PIETRZYŃSKI, GRZEGORZ, et al. The Araucaria Project: The Distance to the Local Group Galaxy IC 1613 from Near-Infrared Photometry of Cepheid Variables. 642, 216 (2006)
- STORRIE-LOMBARDI, L. J. See CHOI, P. I., et al. Star Formation Rates and Extinction Properties of IR-luminous Galaxies in the *Spitzer* First Look Survey. 637, 227 (2006)
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- STOTHERS, RICHARD B. Generalized Analytic Stellar Stability Criteria with Applications to Luminous Stellar Envelopes. *Richard B. Stothers.* 643, 423 (2006)
- A New Explanation of the Blazhko Effect in RR Lyrae Stars. *Richard B. Stothers.* 652, 643 (2006)
- A Virial Theorem Investigation of Magnetic Variations in the Sun. *Richard B. Stothers.* 653, L73 (2006)
- STOUGHTON, CHRIS. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
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- See ROBINSON, SARAH E., et al. The N2K Consortium. V. Identifying Very

- Metal-rich Stars with Low-Resolution Spectra: Finding Planet-Search Targets. 637, 1102 (2006)
- See AMMONS, S. MARK, et al. The N2K Consortium. IV. New Temperatures and Metallicities for More than 100,000 FGK Dwarfs. 638, 1004 (2006)
- STRAKA, CHRISTIAN W. Space- and Ground-based Pulsation Data of η Bootis Explained with Stellar Models Including Turbulence. *Christian W. Straka, Pierre Demarque, D. B. Guenther, Linghui Li, and Frank J. Robinson*. 636, 1078 (2006)
- STRANIERO, OSCAR. See FERRARO, FRANCESCO R., et al. An Empirical Calibration of the Mixing-Length Parameter α . 642, 225 (2006)
- See DOMÍNGUEZ, INMA, et al. Rotating Type Ia SN Progenitors: Explosion and Light Curves. 644, 21 (2006)
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- STRATEVA, ISKRA V. The X-Ray Properties of Active Galactic Nuclei with Double-peaked Balmer Lines. *Iskra V. Strateva, W. N. Brandt, Michael Eracleous, Donald P. Schneider, and George Chartas*. 651, 749 (2006)
- STRATTA, G. See BOER, M., et al. Detection of a Very Bright Optical Flare from the Gamma-Ray Burst GRB 050904 at Redshift 6.29. 638, L71 (2006)
- STRAUGHN, A. N. Tracing Galaxy Assembly: Tadpole Galaxies in the Hubble Ultra Deep Field. *A. N. Straughn, S. H. Cohen, R. E. Ryan, N. P. Hathi, R. A. Windhorst, and R. A. Jansen*. 639, 724 (2006)
- See COHEN, S. H., et al. Clues to Active Galactic Nucleus Growth from Optically Variable Objects in the Hubble Ultra Deep Field. 639, 731 (2006)
- STRAUSS, MICHAEL A. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- See PTAK, ANDREW, et al. Type II Quasars from the Sloan Digital Sky Survey. IV. *Chandra* and *XMM-Newton* Observations Reveal Heavily Absorbed Sources. 637, 147 (2006)
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- See BOWEN, DAVID V., et al. QSO Absorption Lines from QSOs. 645, L105 (2006)
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- STRAZZULLA, G. See BRUNETTO, R., et al. Ion Irradiation of Frozen Methanol, Methane, and Benzene: Linking to the Colors of Centaurs and Trans-Neptunian Objects. 644, 646 (2006)
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- STRICKLAND, D. See GRIMES, J. P., et al. Far-Ultraviolet and X-Ray Observations of VV 114: Feedback in a Local Analog to Lyman Break Galaxies. 648, 310 (2006)
- STRIGARI, LOUIS E. A Large Dark Matter Core in the Fornax Dwarf Spheroidal Galaxy? *Louis E. Strigari, James S. Bullock, Manoj Kaplinghat, Andrey V. Kravtsov, Oleg Y. Gnedin, Kevork Abazajian, and Anatoly A. Klypin*. 652, 306 (2006)
- STROHMAYER, TOD E. See JAHODA, KEITH, et al. Calibration of the *Ross X-Ray Timing Explorer* Proportional Counter Array. 163, 401 (2006)
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- The 2004 Hyperflare from SGR 1806–20: Further Evidence for Global Torsional Vibrations. *Tod E. Strohmayer and Anna L. Watts*. 653, 593 (2006)
- See BHATTACHARYYA, SUDIP, et al. A Non-PRE Double-peaked Burst from 4U 1636–536: Evidence of Burning Front Propagation. 636, L121 (2006)
- See WATTS, ANNA L., et al. Detection with *RHESSI* of High-Frequency X-Ray Oscillations in the Tail of the 2004 Hyperflare from SGR 1806–20. 637, L117 (2006)
- See BHATTACHARYYA, SUDIP, et al. The Discovery of a Neutron Star with a Spin Frequency of 530 Hz in A1744–361. 639, L31 (2006)
- See BHATTACHARYYA, SUDIP, et al. Signature of Temporary Burning Front Stalling from a Non-Photospheric Radius Expansion Double-peaked Burst. 641, L53 (2006)
- See BHATTACHARYYA, SUDIP, et al. Spreading of Thermonuclear Flames on the Neutron Star in SAX J1808.4–3658: An Observational Tool. 642, L161 (2006)
- STROELGER, L.-G. See COHEN, S. H., et al. Clues to Active Galactic Nucleus Growth from Optically Variable Objects in the Hubble Ultra Deep Field. 639, 731 (2006)
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- See MOSKALENKO, IGOR V., et al. Attenuation of Very High Energy Gamma Rays by the Milky Way Interstellar Radiation Field. 640, L155 (2006)
- See PORTER, TROY A., et al. Inverse Compton Emission from Galactic Supernova Remnants: Effect of the Interstellar Radiation Field. 648, L29 (2006)
- STROVINK, M. See CONLEY, A., et al. Measurement of Ω_m , Ω_Λ from a Blind Analysis of Type Ia Supernovae with CMAGIC: Using Color Information to Verify the Acceleration of the Universe. 644, 1 (2006)
- STROVINK, MARK. See WANG, LIFAN, et al. Nonlinear Decline-Rate Dependence and Intrinsic Variation of Type Ia Supernova Luminosities. 641, 50 (2006)
- STRUBBE, LINDA E. Dust Dynamics, Surface Brightness Profiles, and Thermal Spectra of Debris Disks: The Case of AU Microscopii. *Linda E. Strubbe and Eugene I. Chiang*. 648, 652 (2006)
- STRUCK, CURTIS. See ELMEGREEN, DEBRA MELOY, et al. *Spitzer Space Telescope* IRAC and MIPS Observations of the Interacting Galaxies IC 2163 and NGC 2207: Clumpy Emission. 642, 158 (2006)
- STUBBS, CHRISTOPHER. See CLOCCHIATTI, ALEJANDRO, et al. *Hubble Space Telescope* and Ground-based Observations of Type Ia Supernovae at Redshift 0.5: Cosmological Implications. 642, 1 (2006)
- STUBBS, CHRISTOPHER W. Toward 1% Photometry: End-to-End Calibration of Astronomical Telescopes and Detectors. *Christopher W. Stubbs and John L. Tonry*. 646, 1436 (2006)
- STURM, E. Mid-Infrared *Spitzer* Spectra of X-Ray-Selected Type 2 QSOs: QSOs Are Not Ultraluminous Infrared Galaxies. *E. Sturm, G. Hasinger, I. Lehmann, V. Mainieri, R. Genzel, M. D. Lehnert, D. Lutz, and L. J. Tacconi*. 642, 81 (2006)
- See SCHWEITZER, M., et al. *Spitzer* Quasar and ULIRG Evolution Study (QUEST). I. The Origin of the Far-Infrared Continuum of QSOs. 649, 79 (2006)
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- Mid-Infrared Diagnostics of LINERS. *E. Sturm, D. Rupke, A. Contursi, D.-C. Kim, D. Lutz, H. Netzer, S. Veilleux, R. Genzel, M. Lehnert, L. J. Tacconi, D. Maoz, J. Mazzarella, S. Lord, D. Sanders, and A. Sternberg*. 653, L13 (2006)
- STURMANN, J. See VAN BELLE, G. T., et al. First Results from the CHARA Array. III. Oblateness, Rotational Velocity, and Gravity Darkening of Alderamin. 637, 494 (2006)
- See BERGER, D. H., et al. First Results from the CHARA Array. IV. The Interferometric Radii of Low-Mass Stars. 644, 475 (2006)
- See AUFDENBERG, J. P., et al. First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star. 645, 664 (2006)
- See AUFDENBERG, J. P., et al. Erratum: "First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star" (ApJ, 645, 664 [2006]). 651, 617 (2006)
- STURMANN, L. See VAN BELLE, G. T., et al. First Results from the CHARA Array. III. Oblateness, Rotational Velocity, and Gravity Darkening of Alderamin. 637, 494 (2006)
- See BERGER, D. H., et al. First Results from the CHARA Array. IV. The Interferometric Radii of Low-Mass Stars. 644, 475 (2006)
- See AUFDENBERG, J. P., et al. First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star. 645, 664 (2006)
- See AUFDENBERG, J. P., et al. Erratum: "First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star" (ApJ, 645, 664 [2006]). 651, 617 (2006)
- STUTE, MATTHIAS. X-Ray Emission from Planetary Nebulae. I. Spherically Symmetric Numerical Simulations. *Matthias Stute and Raghendra Sahai*. 651, 882 (2006)

- STUTZ, A. See PAPOVICH, C., et al. *Spitzer* Observations of Massive, Red Galaxies at High Redshift. 640, 92 (2006)
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- SU, J. T. The Influence of Faraday Rotation on the Vertical Electric Current Density. *J. T. Su, H. Q. Zhang, Y. Y. Deng, X. J. Mao, Y. Gao, and G. H. Lin*. 649, L141 (2006)
- SU, K. Y. L. See BRYDEN, G., et al. Frequency of Debris Disks around Solar-Type Stars: First Results from a *Spitzer* MIPS Survey. 636, 1098 (2006)
- See HINES, DEAN C., et al. The Formation and Evolution of Planetary Systems (FEPS): Discovery of an Unusual Debris System Associated with HD 12039. 638, 1070 (2006)
- Debris Disk Evolution around A Stars. *K. Y. L. Su, G. H. Rieke, J. A. Stansberry, G. Bryden, K. R. Stapelfeldt, D. E. Trilling, J. Muzerolle, C. A. Beichman, A. Moro-Martín, D. C. Hines, and M. W. Werner*. 653, 675 (2006)
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- See VOLK, KEVIN, et al. An Infrared Imaging Study of the Bipolar Proto-Planetary Nebula IRAS 16594–4656. 651, 294 (2006)
- See BALOG, ZOLTAN, et al. *Spitzer* MIPS 24 μ m Detection of Photoevaporating Protoplanetary Disks. 650, L83 (2006)
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- SUBBARAO, MARK. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
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- SUBRAHMANYAN, RAVI. SGRS J0515–8100: A Fat-Double Giant Radio Galaxy. *Ravi Subrahmanyan, R. W. Hunstead, N. L. J. Cox, and V. McIntyre*. 636, 172 (2006)
- SUBRAMANIAN, KANDASWAMY. Magnetic Helicity Density and Its Flux in Weakly Inhomogeneous Turbulence. *Kandaswamy Subramanian and Axel Brandenburg*. 648, L71 (2006)
- SUDA, TAKUMA. Various Modes of Helium Mixing in Globular Cluster Giants and Their Possible Effects on the Horizontal Branch Morphology. *Takuma Suda and Masayuki Y. Fujimoto*. 643, 897 (2006)
- SUDARSKY, D. See BURROWS, A., et al. Theory for the Secondary Eclipse Fluxes, Spectra, Atmospheres, and Light Curves of Transiting Extrasolar Giant Planets. 650, 1140 (2006)
- SUDARSKY, DAVID. See BURROWS, ADAM, et al. L and T Dwarf Models and the L to T Transition. 640, 1063 (2006)
- SUDOH, K. See TERADA, Y., et al. Cyclotron Resonance Energies at a Low X-Ray Luminosity: A0535+262 Observed with *Suzaku*. 648, L139 (2006)
- SUEN, W.-M. See LIN, L.-M., et al. Gravitational Waves from Phase-Transition-Induced Collapse of Neutron Stars. 639, 382 (2006)
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- SUGANUMA, MASAHIRO. Reverberation Measurements of the Inner Radius of the Dust Torus in Nearby Seyfert 1 Galaxies. *Masahiro Suganuma, Yuzuru Yoshii, Yukiyasu Kobayashi, Takeo Minezaki, Keigo Enya, Hiroyuki Tomita, Tsutomu Aoki, Shintaro Koshida, and Bruce A. Peterson*. 639, 46 (2006)
- See TOMITA, HIROYUKI, et al. The Optical/Near-Infrared Light Curves of SN 2002ap for the First 1.5 Years after Discovery. 644, 400 (2006)
- See MINEZAKI, TAKEO, et al. First Detection of Near-Infrared Intraday Variations in the Seyfert 1 Nucleus NGC 4395. 643, L5 (2006)
- See TOMITA, HIROYUKI, et al. Multiple Regression Analysis of the Variable Component in the Near-Infrared Region for Type 1 AGN MCG +08-11-011. 652, L13 (2006)
- SUGIHARA, M. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- Motion of 3–6 keV Nonthermal Sources along the Legs of a Flare Loop. *Linhui Sui, Gordon D. Holman, and Brian R. Dennis*. 645, L157 (2006)
- SULAK, L. R. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- SUZUKI, T. K. Collisionless Damping of Fast Magnetohydrodynamic Waves in Magnetorotational Winds. T. K. Suzuki, H. Yan, A. Lazarian, and J. P. Cassinelli. 640, 1005 (2006)
- SUZUKI, TAKERU K. Forecasting Solar Wind Speeds. Takeru K. Suzuki. 640, L75 (2006)
- Erratum: "Making the Corona and the Fast Solar Wind: A Self-consistent Simulation for the Low-Frequency Alfvén Waves from Photosphere to 0.3 AU" (ApJ, 632, L49 [2005]). Takeru K. Suzuki and Shu-ichiro Inutsuka. 646, L89 (2006)
- SUZUKI, TOMOHARU. See TOMITA, HIROYUKI, et al. The Optical/Near-Infrared Light Curves of SN 2002ap for the First 1.5 Years after Discovery. 644, 400 (2006)
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- SWANSON, M. E. C. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. M. E. C. Swanson, K. Abe, J. Hosaka, T. Iida, K. Ishihara, J. Kameda, Y. Koshio, A. Minamino, C. Mitsuda, M. Miura, S. Moriyama, M. Nakahata, Y. Obayashi, H. Ogawa, M. Shiozawa, Y. Suzuki, A. Takeda, Y. Takeuchi, K. Ueshima, I. Higuchi, C. Ishihara, M. Ishitsuka, T. Kajita, K. Kaneyuki, G. Mitsuka, S. Nakayama, H. Nishino, A. Okada, K. Okumura, C. Saji, Y. Takenaga, S. Clark, S. Desai, F. Dufour, E. Kearns, S. Likhoded, M. Litos, J. L. Raaf, J. L. Stone, L. R. Sulak, W. Wang, M. Goldhaber, D. Casper, J. P. Cravens, J. Dunmore, W. R. Kropp, D. W. Liu, S. Mine, C. Regis, M. B. Smy, H. W. Sobel, M. R. Vagins, K. S. Ganezer, J. E. Hill, W. E. Keig, J. S. Jang, J. Y. Kim, I. T. Lim, K. Scholberg, N. Tanimoto, C. W. Walter, R. Wendell, R. W. Ellsworth, S. Tasaka, G. Guillian, J. G. Learned, S. Matsumo, M. D. Messier, Y. Hayato, A. K. Ichikawa, T. Ishida, T. Ishii, T. Iwashita, T. Kobayashi, T. Nakadaira, K. Nakamura, K. Nitta, Y. Oyama, Y. Totsuka, A. T. Suzuki, M. Hasegawa, K. Hiraide, I. Kato, H. Maesaka, T. Nakaya, K. Nishikawa, T. Sasaki, H. Sato, S. Yamamoto, M. Yokoyama, T. J. Haines, S. Dazeley, S. Hatakeyama, R. Svoboda, G. W. Sullivan, D. Turcan, J. Cooley, K. B. M. Mahn, A. Habig, Y. Fukuda, T. Sato, Y. Itoh, T. Koike, C. K. Jung, T. Kato, K. Kobayashi, M. Malek, C. McGrew, A. Sarat, R. Terri, C. Yanagisawa, N. Tamura, M. Sakuda, M. Sugihara, Y. Kuno, M. Yoshida, S. B. Kim, B. S. Yang, J. Yoo, T. Ishizuka, H. Okazawa, Y. Choi, H. K. Seo, Y. Gando, T. Hasegawa, K.

- Inoue, H. Ishii, K. Nishijima, H. Ishino, Y. Watanabe, M. Koshihara, D. Kielczewska, J. Zalipska, H. G. Berns, R. Gran, K. K. Shiraiishi, A. Stachyra, E. Thrane, K. Washburn, and R. J. Wilkes (The Super-Kamiokande Collaboration). 652, 206 (2006)
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- SWIFT, JONATHAN J. A Pre-Protostellar Core in L1551. II. State of Dynamical and Chemical Evolution. Jonathan J. Swift, William J. Welch, James Di Francesco, and Irena Stojimirović. 637, 392 (2006)
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- SZAPUDI, ISTVÁN. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
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- TACCONI, L. See NESVADBA, N. P. H., et al. Lyman Break Galaxies under a Microscope: The Small-Scale Dynamics and Mass of an Arc in the Cluster 1E 0657–56. 650, 661 (2006)
- TACCONI, L. J. See DASYRA, K. M., et al. Dynamical Properties of Ultraluminous Infrared Galaxies. I. Mass Ratio Conditions for ULIRG Activity in Interacting Pairs. 638, 745 (2006)
- High-Resolution Millimeter Imaging of Submillimeter Galaxies. L. J. Tacconi, R. Neri, S. C. Chapman, R. Genzel, I. Smail, R. J. Ivison, F. Bertoldi, A. Blain, P. Cox, T. Greve, and A. Omont. 640, 228 (2006)

- See STURM, E., et al. Mid-Infrared *Spitzer* Spectra of X-Ray-Selected Type 2 QSOs: QSOs Are Not Ultraluminous Infrared Galaxies. 642, 81 (2006)
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- See DAVIES, R. I., et al. The Star-forming Torus and Stellar Dynamical Black Hole Mass in the Seyfert 1 Nucleus of NGC 3227. 646, 754 (2006)
- See SCHWEITZER, M., et al. *Spitzer* Quasar and ULIRG Evolution Study (QUEST). I. The Origin of the Far-Infrared Continuum of QSOs. 649, 79 (2006)
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- See GILLESSEN, S., et al. Variations in the Spectral Slope of Sagittarius A* during a Near-Infrared Flare. 640, L163 (2006)
- See GARCÍA-BURILLO, S., et al. A New Probe of Dense Gas at High Redshift: Detection of HCO⁺ (5–4) Line Emission in APM 08279+5255. 645, L17 (2006)
- See STURM, E., et al. Mid-Infrared Diagnostics of LINERs. 653, L13 (2006)
- TACHIBANA, S. ⁵⁵Fe in Chondrites: Debris from a Nearby Supernova in the Early Solar System? *S. Tachibana, G. R. Huss, N. T. Kita, G. Shimoda, and Y. Morishita*. 639, L87 (2006)
- TACHIHARA, K. See YAMAMOTO, H., et al. Large-Scale CO Observations of a Far-Infrared Loop in Pegasus: Detection of a Large Number of Very Small Molecular Clouds Possibly Formed via Shocks. 642, 307 (2006)
- TAGGER, MICHEL. Accretion-Ejection Instability, MHD Rossby Wave Instability, Diskoseismology, and the High-Frequency QPOs of Microquasars. *Michel Tagger and Peggy Varnière*. 652, 1457 (2006)
- A Possible Rossby Wave Instability Origin for the Flares in Sagittarius A*. *Michel Tagger and Fulvio Melia*. 636, L33 (2006)
- TAGLIAFERRI, G. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
- See VAUGHAN, S., et al. *Swift* Observations of the X-Ray-Bright GRB 050315. 638, 920 (2006)
- See VAUGHAN, S., et al. The Dust-scattered X-Ray Halo around *Swift* GRB 050724. 639, 323 (2006)
- See FALCONE, A. D., et al. The Giant X-Ray Flare of GRB 050502B: Evidence for Late-Time Internal Engine Activity. 641, 1010 (2006)
- See NOUSEK, J. A., et al. Evidence for a Canonical Gamma-Ray Burst Afterglow Light Curve in the *Swift* XRT Data. 642, 389 (2006)
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- See LEVAN, A. J., et al. The First *Swift* X-Ray Flash: The Faint Afterglow of XRF 050215B. 648, L132 (2006)
- See DELLA VALLE, M., et al. Hypernova Signatures in the Late Rebrightening of GRB 050525A. 642, L103 (2006)
- TAGLIAFERRI, GIANPIERO. See HILL, JOANNE E., et al. GRB 050117: Simultaneous Gamma-Ray and X-Ray Observations with the *Swift* Satellite. 639, 303 (2006)
- See CUSUMANO, GIANCARLO, et al. *Swift* XRT Observations of the Afterglow of GRB 050319. 639, 316 (2006)
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- See MAZZALI, PAOLO A., et al. Models for the Type Ic Hypernova SN 2003lw associated with GRB 031203. 645, 1323 (2006)
- See ROMING, PETER W. A., et al. Very Early Optical Afterglows of Gamma-Ray Bursts: Evidence for Relative Paucity of Detection. 652, 1416 (2006)
- TAILLET, R. See SULLIVAN, M., et al. Rates and Properties of Type Ia Supernovae as a Function of Mass and Star Formation in Their Host Galaxies. 648, 868 (2006)
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- TAJIRI, Y. Y. See TOKURA, D., et al. Mid-Infrared High Spatial Resolution Observations of NGC 1569: Detection of Embedded Embryos of Star Formation. 648, 355 (2006)
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- See KATAOKA, JUN, et al. The X-Ray Jet in Centaurus A: Clues to the Jet Structure and Particle Acceleration. 641, 158 (2006)
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- TAKAHASHI, H. See TOKURA, D., et al. Mid-Infrared High Spatial Resolution Observations of NGC 1569: Detection of Embedded Embryos of Star Formation. 648, 355 (2006)
- See TERADA, Y., et al. Cyclotron Resonance Energies at a Low X-Ray Luminosity: A0535+262 Observed with *Suzaku*. 648, L139 (2006)
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- TAKAHASHI, MASAOKI. Standing Shocks in Transmagnetosonic Accretion Flows onto a Black Hole. *Masaaki Takahashi, Junya Goto, Keigo Fukumura, Darrell Rilett, and Sachiko Tsuruta*. 645, 1408 (2006)
- TAKAHASHI, RYUICHI. Amplitude and Phase Fluctuations for Gravitational Waves Propagating through Inhomogeneous Mass Distribution in the Universe. *Ryuichi Takahashi*. 644, 80 (2006)
- TAKAHASHI, SATOKO. Millimeter- and Submillimeter-Wave Observations of the OMC-2/3 Region. I. Dispersing and Rotating Core around the Intermediate-Mass Protostar MMS 7. *Satoko Takahashi, Masao Saito, Shigehisa Takakuwa, and Ryohei Kawabe*. 651, 933 (2006)
- TAKAHASHI, T. See SAMBRUNA, R. M., et al. Discovery of an Extreme MeV Blazar with the *Swift* Burst Alert Telescope. 646, 23 (2006)
- TAKAHASHI, TADAYUKI. See UCHIYAMA, YASUNOBU, et al. Shedding New Light on the 3C 273 Jet with the *Spitzer Space Telescope*. 648, 910 (2006)
- See WATANABE, SHIN, et al. X-Ray Spectral Study of the Photoionized Stellar Wind in Vela X-1. 651, 421 (2006)
- TAKAKUWA, SHIGEHISA. See TAKAHASHI, SATOKO, et al. Millimeter- and Submillimeter-Wave Observations of the OMC-2/3 Region. I. Dispersing and Rotating Core around the Intermediate-Mass Protostar MMS 7. 651, 933 (2006)
- See LIM, JEREMY, et al. Properties and Formation of the Multiple Protostellar System L1551 IRS 5. 653, 425 (2006)
- TAKALO, L. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- TAKALO, L. O. See VALTONEN, M. J., et al. The 2005 November Outburst in OJ 287 and the Binary Black Hole Model. 643, L9 (2006)
- TAKAMI, HAJIME. Propagation of Ultra-High-Energy Cosmic Rays above 10¹⁹ eV in a Structured Extragalactic Magnetic Field and Galactic Magnetic Field. *Hajime Takami, Hiroyuki Yoshiguchi, and Katsuhiko Sato*. 639, 803 (2006)

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- in a Structured Extragalactic Magnetic Field and Galactic Magnetic Field" (ApJ, 639, 803 [2006]). Hajime Takami, Hiroyuki Yoshiguchi, and Katsuhiko Sato, 653, 1584 (2006)
- TAKAMI, HIDEKI. See KONDO, SOHEI, et al. First Detection of Na I D Lines in High-Redshift Damped Ly α Systems. 643, 667 (2006)
- See PYO, TAE-SOO, et al. Adaptive Optics Spectroscopy of the [Fe II] Outflows from HL Tauri and RW Aurigae. 649, 836 (2006)
- TAKAMI, M. See DAVIS, C. J., et al. Adaptive-Optics-Assisted Near-Infrared Spectroscopy of SVS 13 and Its Jet. 639, 969 (2006)
- Subaru IR Echelle Spectroscopy of Herbig-Haro Driving Sources. I. H α and [Fe II] Emission. M. Takami, A. Chrysostomou, T. P. Ray, C. J. Davis, W. R. F. Dent, J. Bailey, M. Tamura, H. Terada, and T. S. Pyo. 641, 357 (2006)
- TAKAMI, MICHIOHRO. See PYO, TAE-SOO, et al. Adaptive Optics Spectroscopy of the [Fe II] Outflows from HL Tauri and RW Aurigae. 649, 836 (2006)
- TAKAMURA, AKIRA. See YOSHIDA, TAKASHI, et al. Neutrino Oscillation Effects on Supernova Light-Element Synthesis. 649, 319 (2006)
- TAKATA, TADAFUMI. Rest-Frame Optical Spectroscopic Classifications for Submillimeter Galaxies. Tadafumi Takata, Kazuhiro Sekiguchi, Ian Smail, Scott C. Chapman, J. E. Geach, A. M. Swinbank, Andrew Blain, and R. J. Ivison. 651, 713 (2006)
- TAKATO, NARUHISA. See KONDO, SOHEI, et al. First Detection of Na I D Lines in High-Redshift Damped Ly α Systems. 643, 667 (2006)
- See PYO, TAE-SOO, et al. Adaptive Optics Spectroscopy of the [Fe II] Outflows from HL Tauri and RW Aurigae. 649, 836 (2006)
- TAKEDA, A. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- TAKENAGA, Y. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- TAKETSUGU, TETSUYA. See ISHII, KEISAKU, et al. Theoretical Elucidation of the Unusually High [HNC]/[HCN] Abundance Ratio in Interstellar Space: Two-dimensional and Two-State Quantum Wave Packet Dynamics Study on the Branching Ratio of the Dissociative Recombination Reaction $\text{HCNH}^+ + e^- \rightarrow \text{HNC}/\text{HCN} + \text{H}$. 636, 927 (2006)
- TAKEUCHI, T. T. See IGLESIAS-PÁRAMO, J., et al. Star Formation in the Nearby Universe: The Ultraviolet and Infrared Points of View. 164, 38 (2006)
- TAKEUCHI, TSUTOMU T. See XU, C. KEVIN, et al. Ultraviolet and Far-Infrared-selected Star-forming Galaxies at $z=0$: Differences and Overlaps. 646, 834 (2006)
- TAKEUCHI, Y. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- TALON, S. AmFm Stars as a Test of Rotational Mixing Models. S. Talon, O. Richard, and G. Michaud. 645, 634 (2006)
- TAM, C. R. Chandra Observations of the Transient 7 s X-ray Pulsar AX J1845.0-0258. C. R. Tam, V. M. Kaspi, B. M. Gaensler, and E. V. Gotthelf. 652, 548 (2006)
- TAM, CINDY R. See CRAWFORD, FRONFIELD, et al. A Survey of 56 Midlatitude EGRET Error Boxes for Radio Pulsars. 652, 1499 (2006)
- TAMAGAWA, T. See BUTLER, N. R., et al. When Do Internal Shocks End and External Shocks Begin? Early-Time Broadband Modeling of GRB 051111. 652, 1390 (2006)
- TAMAGAWA, TORU. See HAYATO, ASAMI, et al. Discovery of a Compact X-Ray Source in the LMC Supernova Remnant N23 with Chandra. 653, 280 (2006)
- TAMANAI, A. The 10 μm Infrared Band of Silicate Dust: A Laboratory Study Comparing the Aerosol and KBr Pellet Techniques. A. Tamanai, H. Mutschke, J. Blum, and G. Meeks. 648, L147 (2006)
- TAMMANN, G. A. See SAHA, A., et al. Cepheid Distances to SNe Ia Host Galaxies Based on a Revised Photometric Zero Point of the HST WFPC2 and New PL Relations and Metallicity Corrections. 165, 108 (2006)
- See SANDAGE, A., et al. The Hubble Constant: A Summary of the Hubble Space Telescope Program for the Luminosity Calibration of Type Ia Supernovae by Means of Cepheids. 653, 843 (2006)
- TAMURA, HAJIME. See KASHIKAWA, NOBUNARI, et al. Clustering of Lyman Break Galaxies at $z=4$ and 5 in the Subaru Deep Field: Luminosity Dependence of the Correlation Function Slope. 637, 631 (2006)
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- Near-Infrared Polarization Images of the Orion Nebula. M. Tamura, R. Kandori, N. Kusakabe, Y. Nakajima, J. Hashimoto, C. Nagashima, T. Nagata, T. Nagayama, H. Kimura, T. Yamamoto, J. H. Hough, P. Lucas, A. Chrysostomou, and J. Bailey. 649, L29 (2006)
- TAMURA, MOTOHIDE. See NISHIYAMA, SHOGO, et al. Interstellar Extinction Law in the J, H, and K $_s$ Bands toward the Galactic Center. 638, 839 (2006)
- See NAOI, TAKAHIRO, et al. Near-Infrared Extinction Law in the ρ Ophiuchi and Chamaeleon Dark Clouds. 640, 373 (2006)
- First Two-Micron Imaging Polarimetry of β Pictoris. Motohide Tamura, Misato Fukagawa, Hiroshi Kimura, Tetsuo Yamamoto, Hiroshi Sato, and Lyu Abe. 641, 1172 (2006)
- See LIN, SHIN-YI, et al. Possible Molecular Spiral Arms in the Protoplanetary Disk of AB Aurigae. 645, 1297 (2006)
- See NISHIYAMA, SHOGO, et al. The Distance to the Galactic Center Derived from Infrared Photometry of Bulge Red Clump Stars. 647, 1093 (2006)
- See FUKAGAWA, MISATO, et al. Near-Infrared Images of Protoplanetary Disk Surrounding HD 142527. 636, L153 (2006)
- TAMURA, N. See KONG, X., et al. A Wide Area Survey for High-Redshift Massive Galaxies. I. Number Counts and Clustering of BzKs and EROs. 638, 72 (2006)
- See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- TAMURA, NAUYUKI. See AOKI, KENTARO, et al. Discovery of H α Absorption in the Unusual Broad Absorption Line Quasar SDSS J083942.11+380526.3. 651, 84 (2006)
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- TAMURA, TOMONORI. See KOBAYASHI, KEN, et al. Hard X-Ray Spectral Observation of a High-Temperature Thermal Flare. 648, 1239 (2006)
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- TAN, CHANGYI. See JING, JU, et al. The Statistical Relationship between the Photospheric Magnetic Parameters and the Flare Productivity of Active Regions. 644, 1273 (2006)
- See JING, JU, et al. Erratum: "The Statistical Relationship between the Photospheric Magnetic Parameters and the Flare Productivity of Active Regions" (ApJ, 644, 1273 [2006]). 652, 1796 (2006)
- TAN, JONATHAN C. Equilibrium Star Cluster Formation. Jonathan C. Tan, Mark R. Krumholz, and Christopher F. McKee. 641, L121 (2006)
- TANABÉ, TOSHIHIKO. See NISHIYAMA, SHOGO, et al. Interstellar Extinction Law in the J, H, and K $_s$ Bands toward the Galactic Center. 638, 839 (2006)
- See TSUZUKI, YUMIHIKO, et al. Fe II Emission in 14 Low-Redshift Quasars. I. Observations. 650, 57 (2006)
- TANAKA, KEN'ICHI. See HACHISU, IZUMI, et al. The Hydrogen-Burning Turnoff of RS Ophiuchi (2006). 651, L141 (2006)
- TANAKA, MASAOMI. Three-dimensional Models for High-Velocity Features in Type Ia Supernovae. Masaomi Tanaka, Paolo A. Mazzali, Keiichi Maeda, and Ken'ichi Nomoto. 645, 470 (2006)
- See MOTOHARA, KENTARO, et al. The Asymmetric Explosion of Type Ia Supernovae as Seen from Near-Infrared Observations. 652, L101 (2006)
- TANAKA, T. See TERADA, Y., et al. Cyclotron Resonance Energies at a Low X-Ray Luminosity: A0535+262 Observed with Suzaku. 648, L139 (2006)
- TANAKA, TAKAMITSU. Hot Accretion with Conduction: Spontaneous Thermal Outflows. Takamitsu Tanaka and Kristen Menou. 649, 345 (2006)
- TANAKA, Y. T. See SAKO, T., et al. Long-lived Solar Neutron Emission in Comparison with Electron-produced Radiation in the 2005 September 7 Solar Flare. 651, L69 (2006)
- TANAKA, YASUO. See KOTANI, TARO, et al. Erratum: "ASCA Observations of the Absorption Line Features from the Superluminous Jet Source GRS 1915+105" (ApJ, 539, 413 [2000]). 651, 615 (2006)
- TANANBAUM, H. See KIM, D.-W., et al. Chandra Multiwavelength Project: Normal Galaxies at Intermediate Redshift. 644, 829 (2006)

- See BARKHOUSE, W. A., et al. ChaMP Serendipitous Galaxy Cluster Survey. 645, 955 (2006)
- TANG, Y. H. See FANG, C., et al. Spectral Analysis of Ellerman Bombs. 643, 1325 (2006)
- See SONG, M. T., et al. A New and Fast Way to Reconstruct a Nonlinear Force-free Field in the Solar Corona. 649, 1084 (2006)
- TANG, YA-WEN. See CHOI, MINHO, et al. Millimeter Imaging of the HH 270 Protostellar Core and Outflow. 648, 504 (2006)
- TANG, YVONNE. See STANIMIROVIĆ, SNEŽANA, et al. First Results from the Arecibo Galactic H I Survey: The Disk/Halo Interface Region in the Outer Galaxy. 653, 1210 (2006)
- TANIGAWA, T. See IKOMA, M., et al. On the Origin of HD 149026b. 650, 1150 (2006)
- TANIGUCHI, KEISUKE. See FABER, JOSHUA A., et al. General Relativistic Binary Merger Simulations and Short Gamma-Ray Bursts. 641, L93 (2006)
- TANIGUCHI, YOSHIKI. See KASHIKAWA, NOBUNARI, et al. Clustering of Lyman Break Galaxies at $z = 4$ and 5 in the Subaru Deep Field: Luminosity Dependence of the Correlation Function Slope. 637, 631 (2006)
- See AJIKI, MASARU, et al. Narrowband Survey of the GOODS Fields: Search for Ly α Emitters at $z = 5.7$. 638, 596 (2006)
- See KASHIKAWA, NOBUNARI, et al. The End of the Reionization Epoch Probed by Ly α Emitters at $z = 6.5$ in the Subaru Deep Field. 648, 7 (2006)
- See YOSHIDA, MAKIKO, et al. Luminosity Functions of Lyman Break Galaxies at $z \sim 4$ and $z \sim 5$ in the Subaru Deep Field. 653, 988 (2006)
- TANIMORI, T. See ENOMOTO, R., et al. A Search for Sub-TeV Gamma Rays from the Vela Pulsar Region with CANGAROO-III. 638, 397 (2006)
- See ENOMOTO, R., et al. CANGAROO III Observations of the Supernova Remnant RX J0852.0–4622. 652, 1268 (2006)
- TANIMOTO, N. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- TANIMURA, H. See ENOMOTO, R., et al. A Search for Sub-TeV Gamma Rays from the Vela Pulsar Region with CANGAROO-III. 638, 397 (2006)
- See ENOMOTO, R., et al. CANGAROO III Observations of the Supernova Remnant RX J0852.0–4622. 652, 1268 (2006)
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- TANNER, A. See BEICHMAN, C. A., et al. IRS Spectra of Solar-Type Stars: A Search for Asteroid Belt Analogs. 639, 1166 (2006)
- TANNER, ANGELLE. High Spectral Resolution Observations of the Massive Stars in the Galactic Center. *Angelle Tanner, Donald F. Figer, Francisco Najarro, Rolf P. Kudritzki, Diane Gilmore, Mark Morris, E. E. Becklin, Ian S. McLean, Andrea M. Gilbert, James R. Graham, James E. Larkin, N. A. Levenson, and Harry I. Teplitz*. 641, 891 (2006)
- TANNIRKULAM, A. See MILLAN-GABET, R., et al. Keck Interferometer Observations of FU Orionis Objects. 641, 547 (2006)
- TANVIR, N. See WATSON, D., et al. A $\log N_{\text{H}} = 22.6$ Damped Ly α Absorber in a Dark Gamma-Ray Burst: The Environment of GRB 050401. 652, 1011 (2006)
- See CHAPMAN, S. C., et al. A Kinematically Selected, Metal-poor Stellar Halo in the Outskirts of M31. 653, 255 (2006)
- TANVIR, N. R. See BERSIER, D., et al. Evidence for a Supernova Associated with the X-Ray Flash 020903. 643, 284 (2006)
- See LEVAN, A. J., et al. The First *Swift* X-Ray Flash: The Faint Afterglow of XRF 050215B. 648, 1132 (2006)
- See PAGE, K. L., et al. GRB 050911: A Black Hole–Neutron Star Merger or a Naked GRB. 637, L13 (2006)
- See LEVAN, A. J., et al. The Faint Afterglow and Host Galaxy of the Short-Hard GRB 060121. 648, L9 (2006)
- See MACKEY, A. D., et al. ACS Photometry of Extended, Luminous Globular Clusters in the Outskirts of M31. 653, L105 (2006)
- TANVIR, NIAL. See LEVAN, ANDREW, et al. Infrared and Optical Observations of GRB 030115 and its Extremely Red Host Galaxy: Implications for Dark Bursts. 647, 471 (2006)
- TANVIR, NIAL R. See MCCONNACHIE, ALAN W., et al. The Stellar Halo and Outer Disk of M33. 647, L25 (2006)
- TAO, C. See SULLIVAN, M., et al. Rates and Properties of Type Ia Supernovae as a Function of Mass and Star Formation in Their Host Galaxies. 648, 868 (2006)
- TAPPE, A. Shock Processing of Interstellar Dust and Polycyclic Aromatic Hydrocarbons in the Supernova Remnant N132D. *A. Tappe, J. Rho, and W. T. Reach*. 653, 267 (2006)
- TARANA, A. See CAPITANIO, F., et al. Spectral States of the X-Ray Binary IGR J17091–3624 Observed by *INTEGRAL* and *RXTE*. 643, 376 (2006)
- TARBELL, T. D. See SABA, J. L. R., et al. Analysis of Solar Flare Ribbon Evolution: A Semiautomated Approach. 641, 1197 (2006)
- See SCHRÖDER, C. J., et al. Gamma Rays and the Evolving, Compact Structures of the 2003 October 28 X17 Flare. 650, 1184 (2006)
- TASAKA, S. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- TASHIRO, M. See ISOBE, N., et al. The *XMM-Newton* Examination of Energetics in the East Lobe of the Nearby Radio Galaxy Fornax A (NGC 1316). 645, 256 (2006)
- See BUTLER, N. R., et al. When Do Internal Shocks End and External Shocks Begin? Early-Time Broadband Modeling of GRB 051111. 652, 1390 (2006)
- TASITSIOMI, ARGYRO. Ly α Radiative Transfer in Cosmological Simulations and Application to a $z = 8$ Ly α Emitter. *Argyro Tasitsiomi*. 645, 792 (2006)
- On the Transfer of Resonant-Line Radiation in Mesh Simulations. *Argyro Tasitsiomi*. 648, 762 (2006)
- TASKER, ELIZABETH J. Simulating Star Formation and Feedback in Galactic Disk Models. *Elizabeth J. Tasker and Greg L. Bryan*. 641, 878 (2006)
- The Environmental Impact of Lyman Break Galaxies. *Elizabeth J. Tasker and Greg L. Bryan*. 642, L5 (2006)
- TASSIS, KONSTANTINOS. See MOUSCHOVIA, TELEMACHOS CH., et al. Observational Constraints on the Ages of Molecular Clouds and the Star Formation Timescale: Ambipolar-Diffusion-controlled or Turbulence-induced Star Formation? 646, 1043 (2006)
- TATA, R. See ZAPATERO OSORIO, M. R., et al. Spectroscopic Rotational Velocities of Brown Dwarfs. 647, 1405 (2006)
- TATEBE, K. See WEINER, J., et al. The Asymmetric Dust Environment of IK Tauri. 636, 1067 (2006)
- Changes in Apparent Size of Giant Stars with Wavelength due to Electron-Hydrogen Collisions. *K. Tatebe and C. H. Townes*. 644, 1145 (2006)
- Characterization of Dust Shell Dynamics and Asymmetry for Six Mira-Type Stars. *K. Tatebe, A. A. Chandler, D. D. S. Hale, and C. H. Townes*. 652, 666 (2006)
- TATEMATSU, KEN'ICHI. See BYUN, DO-YOUNG, et al. Interaction between the Supernova Remnant HB 21 and Molecular Clouds. 637, 283 (2006)
- TATISCHEFF, V. Delayed X- and Gamma-Ray Line Emission from Solar Flare Radioactivity. *V. Tatishcheff, B. Kozlovsky, J. Kiener, and R. J. Murphy*. 165, 606 (2006)
- TAUBENBERGER, S. See BENETTI, S., et al. Supernova 2002ic: The Collapse of a Stripped-Envelope, Massive Star in a Dense Medium? 653, L129 (2006)
- TAUTZ, R. C. Plasma Instabilities in Gamma-Ray Bursts: Neutral Points and the Effect of Mode Coupling. *R. C. Tautz and I. Lerche*. 653, 447 (2006)
- TAVECCHIO, F. See SAMBRUNA, RITA M., et al. Deep *Chandra* and Multicolor *HST* Follow-up of the Jets in Two Powerful Radio Quasars. 641, 717 (2006)
- Deceleration from Entrainment in the Jet of the Quasar 1136–135? *F. Tavecchio, L. Maraschi, R. M. Sambruna, M. Gliozzi, C. C. Cheung, J. F. C. Wardle, and C. Megan Urry*. 641, 732 (2006)
- See SAMBRUNA, R. M., et al. Discovery of an Extreme MeV Blazar with the *Swift* Burst Alert Telescope. 646, 23 (2006)
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- See SAMBRUNA, RITA M., et al. The Jet-Disk Connection in AGNs: *Chandra* and *XMM-Newton* Observations of Three Powerful Radio-Loud Quasars. 652, 146 (2006)
- TAVECCHIO, FABRIZIO. See UCHIYAMA, YASUNOBU, et al. Shedding New Light on the 3C 273 Jet with the *Spitzer Space Telescope*. 648, 910 (2006)
- TAVERNET, J.-P. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- TAYAL, S. S. New Accurate Oscillator Strengths and Electron Excitation Collision Strengths for N I. *S. S. Tayal*. 163, 207 (2006)
- Breit-Pauli *R*-Matrix Calculation for Electron Collision Rates in O IV. *S. S. Tayal*. 166, 634 (2006)

- TAYLOR, A. R. See STIL, J. M., et al. Compact H I Clouds at High Forbidden Velocities in the Inner Galaxy. 637, 366 (2006)
- TAYLOR, E. N. See VAN DOKKUM, P. G., et al. The Space Density and Colors of Massive Galaxies at $2 < z < 3$: The Predominance of Distant Red Galaxies. 638, L59 (2006)
- TAYLOR, EDWARD N. See GAWISER, ERIC, et al. The Physical Nature of Ly α -emitting Galaxies at $z = 3.1$. 642, L13 (2006)
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- TECZA, M. See NESVADBA, N. P. H., et al. Extreme Gas Kinematics in the $z = 2.2$ Powerful Radio Galaxy MRC 1138–262: Evidence for Efficient Active Galactic Nucleus Feedback in the Early Universe? 650, 693 (2006)
- TEEDS, J. A. See WATSON, D., et al. The Soft X-Ray Blast in the Apparently Subluminous GRB 031203. 636, 967 (2006)
- TEEGARDEN, B. J. A Comprehensive Search for Gamma-Ray Lines in the First Year of Data from the *INTEGRAL* Spectrometer. *B. J. Teegarden and K. Watanabe*. 646, 965 (2006)
- TEGMARK, M. See MAC TAVISH, C. J., et al. Cosmological Parameters from the 2003 Flight of BOOMERANG. 647, 799 (2006)
- See MONTROY, T. E., et al. A Measurement of the CMB (EE) Spectrum from the 2003 Flight of BOOMERANG. 647, 813 (2006)
- See JONES, W. C., et al. A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. 647, 823 (2006)
- See PIACENTINI, F., et al. A Measurement of the Polarization-Temperature Angular Cross-Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. 647, 833 (2006)
- TEGMARK, MAX. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- See WANG, XIAOMIN, et al. 21 cm Tomography with Foregrounds. 650, 529 (2006)
- TEIXEIRA, P. S. See YOUNG, E. T., et al. *Spitzer* and Magellan Observations of NGC 2264: A Remarkable Star-forming Core near IRS 2. 642, 972 (2006)
- TEIXEIRA, PAULA S. Identifying Primordial Substructure in NGC 2264. *Paula S. Teixeira, Charles J. Lada, Erick T. Young, Massimo Marengo, August Muench, James Muzerolle, Nick Siegler, George Rieke, Lee Hartmann, S. Thomas Megeath, and Giovanni Fazio*. 636, L45 (2006)
- TEJERO, EPIMENIO. See BALLESTEROS-PAREDES, JAVIER, et al. The Mass Spectra of Cores in Turbulent Molecular Clouds and Implications for the Initial Mass Function. 637, 384 (2006)
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- TELESKO, C. M. See MARIÑAS, N., et al. Mid-Infrared Imaging of the Herbig Ae Star AB Aurigae: Extended Emission on Several Scales. 653, 1353 (2006)
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- TELIS, GISELA A. See PETRIC, ANDREEA, et al. A Direct Upper Limit on the Density of Cosmological Dust from the Absence of an X-Ray Scattering Halo around the $z = 4.3$ Quasar QSO 1508+5714. 651, 41 (2006)
- TELLES, EDUARDO. See TENORIO-TAGLE, GUILLERMO, et al. On the Feedback from Super Stellar Clusters. I. The Structure of Giant H II Regions and H II Galaxies. 643, 186 (2006)
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- TEMI, PASQUALE. See BREGMAN, JOEL N., et al. The Ages of Elliptical Galaxies from Infrared Spectral Energy Distributions. 647, 265 (2006)
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- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- TEN BRUMMELAAR, T. A. See VAN BELLE, G. T., et al. First Results from the CHARA Array. III. Oblateness, Rotational Velocity, and Gravity Darkening of Alderamin. 637, 494 (2006)
- See BERGER, D. H., et al. First Results from the CHARA Array. IV. The Interferometric Radii of Low-Mass Stars. 644, 475 (2006)
- See AUFDENBERG, J. P., et al. First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star. 645, 664 (2006)
- See AUFDENBERG, J. P., et al. Erratum: “First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star” (*ApJ*, 645, 664 [2006]). 651, 617 (2006)
- TENENBAUM, E. D. Detection of C₂O in IRC +10216: Oxygen-Carbon Chain Chemistry in the Outer Envelope. *E. D. Tenenbaum, A. J. Apponi, L. M. Ziurys, M. Agúndez, J. Cernicharo, J. R. Pardo, and M. Guélin*. 649, L17 (2006)
- TENNANT, ALLYN F. See GHOSH, KAJAL K., et al. On the Nature of the Ultraluminous X-Ray Transient in Cen A (NGC 5128). 640, 459 (2006)
- See SWARTZ, DOUGLAS A., et al. *Chandra* Observations of Circumnuclear Star Formation in NGC 3351. 647, 1030 (2006)
- See GHOSH, KAJAL K., et al. Discovery of a 3.6 hr Eclipsing Luminous X-Ray Binary in the Galaxy NGC 4214. 650, 872 (2006)
- See WEISSKOPE, MARTIN C., et al. A Search for the X-Ray Counterpart of the Unidentified γ -Ray Source 3EG J2020+4017 (2CG078+2). 652, 387 (2006)
- TENNYSON, J. See JIMÉNEZ-SERRA, L., et al. The First Measurements of the Electron Density Enhancements Expected in C-Type Shocks. 650, L135 (2006)
- TENORIO-TAGLE, GUILLERMO. On the Feedback from Super Stellar Clusters. I. The Structure of Giant H II Regions and H II Galaxies. *Guillermo Tenorio-Tagle, Castana Muñoz-Tuñón, Enrique Pérez, Sergiy Silich, and Eduardo Telles*. 643, 186 (2006)
- TEODORESCU, A. See D’ANTONA, F., et al. Radio Ejection and Bump-related Orbital Period Gap of Millisecond Binary Pulsars. 640, 950 (2006)
- See D’ANTONA, F., et al. Modeling the Closest Double Degenerate System RX J0806.3+1527 and Its Decreasing Period. 653, 1429 (2006)
- TEODORO, LUÍS. See WARREN, MICHAEL S., et al. Precision Determination of the Mass Function of Dark Matter Halos. 646, 881 (2006)
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- Ozone Synthesis on the Icy Satellites. *B. D. Teolis, M. J. Loeffler, U. Raut, M. Famá, and R. A. Baragiola*. 644, L141 (2006)
- TEPLITZ, H. See WEEDMAN, D. W., et al. *Spitzer* IRS Spectra of Optically Faint Infrared Sources with Weak Spectral Features. 651, 101 (2006)
- TEPLITZ, H. I. See CHOI, P. I., et al. Star Formation Rates and Extinction Properties of IR-luminous Galaxies in the *Spitzer* First Look Survey. 637, 227 (2006)
- See ARMUS, L., et al. Detection of the Buried Active Galactic Nucleus in NGC 6240 with the Infrared Spectrograph on the *Spitzer Space Telescope*. 640, 204 (2006)

- Silicate Emission in the *Spitzer* IRS Spectrum of FSC 10214+4724. *H. I. Teplitz, L. Armus, B. T. Soifer, V. Charmandaris, J. A. Marshall, H. Spoon, C. Lawrence, L. Hao, S. Higdon, Y. Wu, M. Lacy, P. R. Eisenhardt, T. Herter, and J. R. Houck*. 638, L1 (2006)
- See FRAYER, D. T., et al. *Spitzer* 70 Micron Source Counts in GOODS-North. 647, L9 (2006)
- TEPLITZ, HARRY. See COLBERT, JAMES W., et al. The Bright Ages Survey. I. Imaging Data. 638, 603 (2006)
- See COLBERT, JAMES W., et al. Ultraviolet-bright, High-Redshift Ultraluminous Infrared Galaxies. 637, L89 (2006)
- TEPLITZ, HARRY I. See TANNER, ANGELLE, et al. High Spectral Resolution Observations of the Massive Stars in the Galactic Center. 641, 891 (2006)
- TERADA, H. See TAKAMI, M., et al. Subaru IR Echelle Spectroscopy of Herbig-Haro Driving Sources. I. H α and [Fe II] Emission. 641, 357 (2006)
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- See TOMONO, DAIGO, et al. Distribution of Dust Clouds around the Central Engine of NGC 1068. 646, 774 (2006)
- See YASUI, CHIKAKO, et al. Deep Near-Infrared Imaging of an Embedded Cluster in the Extreme Outer Galaxy: Census of Supernova-Triggered Star Formation. 649, 753 (2006)
- See PYO, TAE-SOO, et al. Adaptive Optics Spectroscopy of the [Fe II] Outflows from HL Tauri and RW Aurigae. 649, 836 (2006)
- TERADA, Y. Cyclotron Resonance Energies at a Low X-Ray Luminosity: A0535+262 Observed with *Suzaku*. *Y. Terada, T. Mihara, M. Nakajima, M. Suzuki, N. Isobe, K. Makishima, H. Takahashi, T. Enoto, M. Kokubun, T. Kitaguchi, S. Naik, T. Dotani, F. Nagase, T. Tanaka, S. Watanabe, S. Kitamoto, K. Sudoh, A. Yoshida, Y. Nakagawa, S. Sugita, T. Kohmura, T. Kotani, D. Yonetoku, L. Angelini, J. Cottam, K. Mukai, R. Kelley, Y. Soong, M. Bautz, S. Kassel, and J. Doty*. 648, L139 (2006)
- TERASAWA, T. See SAKO, T., et al. Long-lived Solar Neutron Emission in Comparison with Electron-produced Radiation in the 2005 September 7 Solar Flare. 651, L69 (2006)
- TERASHIMA, YUICHI. See NEMMEN, RODRIGO S., et al. Radiatively Inefficient Accretion Flow in the Nucleus of NGC 1097. 643, 652 (2006)
- Hubble Space Telescope* Identification of the Optical Counterparts of Ultraluminous X-Ray Sources in M51. *Yuichi Terashima, Hirohiko Inoue, and Andrew S. Wilson*. 645, 264 (2006)
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- TERCERO, B. See EXPÓSITO, J. P. FONERÍA, et al. High- J $v = 0$ SiS Maser Emission in IRC +10216: A New Case of Infrared Overlaps. 646, L127 (2006)
- TEREBEY, SUSAN. The Circumstellar Structure of the Class I Protostar TMC-1 (IRAS 04381+2540) from *Hubble Space Telescope* NICMOS Data. *Susan Terebey, David Van Buren, Michael Brundage, and Terry Hancock*. 637, 811 (2006)
- TERENO, I. See HOEKSTRA, H., et al. First Cosmic Shear Results from the Canada-France-Hawaii Telescope Wide Synoptic Legacy Survey. 647, 116 (2006)
- TERESI, V. See VITANZA, E., et al. A Simple Model of Radiative Emission in M87. 643, 222 (2006)
- TERNDRUP, D. M. See RANDALL, S. K., et al. Asteroseismological Studies of Long-Period Variable Subdwarf B Stars. I. A Multisite Campaign on PG 1627+017. 643, 1198 (2006)
- See RANDALL, S. K., et al. Asteroseismological Studies of Long-Period Variable Subdwarf B Stars. II. Two-Color Photometry of PG 1338+481. 645, 1464 (2006)
- See ANDRONOV, N., et al. Mergers of Close Primordial Binaries. 646, 1160 (2006)
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- See MIRABEL, N., et al. GRB 060218/SN 2006aj: A Gamma-Ray Burst and Prompt Supernova at $z = 0.0335$. 643, L99 (2006)
- TERNDRUP, DONALD M. See SCHULER, SIMON C., et al. Oxygen from the $\lambda 7774$ High-Excitation Triplet in Open Cluster Dwarfs: Hyades. 636, 432 (2006)
- See DENISENKOV, PAVEL A., et al. Fluorine Abundance Variations as a Signature of Enhanced Extra Mixing in Red Giants of the Globular Cluster M4. 651, 438 (2006)
- TERRADAS, J. Damped Coronal Loop Oscillations: Time-dependent Results. *J. Terradas, R. Oliver, and J. L. Ballester*. 642, 533 (2006)
- Damping of Kink Oscillations in Curved Coronal Loops. *J. Terradas, R. Oliver, and J. L. Ballester*. 650, L91 (2006)
- TERRI, R. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- TERRIER, R. See BÉLANGER, G., et al. A Persistent High-Energy Flux from the Heart of the Milky Way: *INTEGRAL*'s View of the Galactic Center. 636, 275 (2006)
- See BIRD, A. J., et al. The Second IBIS/ISGRI Soft Gamma-Ray Survey Catalog. 636, 765 (2006)
- See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- See RENAUD, M., et al. G0.570-0.018: A Young Supernova Remnant? *INTEGRAL* and VLA Observations. 638, 220 (2006)
- See RENAUD, M., et al. The Signature of ^{44}Ti in Cassiopeia A Revealed by IBIS/ISGRI on *INTEGRAL*. 647, L41 (2006)
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- TESCARO, D. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- TESHIMA, M. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
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- TEŠIĆ, G. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- TESTA, PAOLA. See HUENEMOERDER, DAVID P., et al. X-Ray Spectroscopy of the Contact Binary VW Cephei. 650, 1119 (2006)
- See SCHULZ, NORBERT S., et al. X-Ray Variability in the Young Massive Triple θ^2 Orionis A. 653, 636 (2006)
- See ISHIBASHI, KAZUNORI, et al. *Chandra*/HETGS Observations of the Capella System: The Primary as a Dominating X-Ray Source. 644, L117 (2006)
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- TESTA, VINCENZO. See MUCCIARELLI, ALESSIO, et al. Red Giant Stars in the Large Magellanic Cloud Clusters. 646, 939 (2006)
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- See FUENTE, A., et al. A Keplerian Gaseous Disk around the B0 Star R Monocerotis. 649, L119 (2006)
- TEUBEN, PETER. See BOURKE, TYLER L., et al. The *Spitzer* c2d Survey of Nearby Dense Cores. II. Discovery of a Low-Luminosity Object in the “Evolved Starless Core” L1521F. 649, L37 (2006)
- TEUBEN, PETER J. See DUNHAM, MICHAEL M., et al. The *Spitzer* c2d Survey of Nearby Dense Cores. I. First Direct Detection of the Embedded Source in IRAM 04191+1522. 651, 945 (2006)
- TEYSSIER, D. See FUENTE, A., et al. Detection of CO $^+$ in the Nucleus of M82. 641, L105 (2006)

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- THIM, F. See SAHA, A., et al. Cepheid Distances to SNe Ia Host Galaxies Based on a Revised Photometric Zero Point of the *HST* WFPC2 and New PL Relations and Metallicity Corrections. 165, 108 (2006)
- THOM, C. The Galactic Nature of High-Velocity Cloud Complex WB. *C. Thom, M. E. Putman, B. K. Gibson, N. Christlieb, C. Flynn, T. C. Beers, R. Wilhelm, and Y. S. Lee*. 638, L97 (2006)
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- Star Formation History of the Hubble Ultra Deep Field: Comparison with the Hubble Deep Field–North. *Rodger I. Thompson, Daniel Eisenstein, Xiaohui Fan, Mark Dickinson, Garth Illingworth, and Robert C. Kennicutt, Jr.*. 647, 787 (2006)
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- TORRES, GUILLERMO. The Eclipsing Binary V1061 Cygni: Confronting Stellar Evolution Models for Active and Inactive Solar-Type Stars. *Guillermo Torres, Claud H. Lacy, Laurence A. Marschall, Holly A. Sheets, and Jeff A. Mader*. 640, 1018 (2006)
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- See RAGLAND, S., et al. First Surface-resolved Results with the Infrared Optical Telescope Array Imaging Interferometer: Detection of Asymmetries in Asymptotic Giant Branch Stars. 652, 650 (2006)
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- Spitzer* Number Counts of Active Galactic Nuclei in the GOODS Fields. Ezequiel Treister, C. Megan Urry, Jeffrey Van Dуйne, Mark Dickinson, Ranga-Ram Chary, David M. Alexander, Franz Bauer, Priya Natarajan, Paulina Lira, and Norman A. Grogin. 640, 603 (2006)
- See CASTANDER, FRANCISCO J., et al. CXOCY J220132.8–320144: An Edge-on Spiral Gravitational Lens. 652, 955 (2006)
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- TREMBLAY, P.-E. A Quantitative Analysis of the Available Multicolor Photometry for Rapidly Pulsating Hot B Subdwarfs. P.-E. Tremblay, G. Fontaine, P. Brassard, P. Bergeron, and S. K. Randall. 165, 551 (2006)
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- The Sloan Lens ACS Survey. II. Stellar Populations and Internal Structure of Early-Type Lens Galaxies. Tommaso Treu, Léon V. Koopmans, Adam S. Bolton, Scott Burles, and Leonidas A. Moustakas. 640, 662 (2006)
- See WOO, JONG-HAK, et al. Cosmic Evolution of Black Holes and Spheroids. I. The $M_{\text{BH}}-\sigma$ Relation at $z = 0.36$. 645, 900 (2006)
- See KOOPMANS, LÉON V. E., et al. The Sloan Lens ACS Survey. III. The Structure and Formation of Early-Type Galaxies and Their Evolution since $z \approx 1$. 649, 599 (2006)
- Erratum: "The Sloan Lens ACS Survey. II. Stellar Populations and Internal Structure of Early-Type Lens Galaxies" (ApJ, 640, 662 [2006]). Tommaso Treu, Léon V. E. Koopmans, Adam S. Bolton, Scott Burles, and Leonidas A. Moustakas. 650, 1219 (2006)
- See MORAN, SEAN M., et al. *GALEX* Observations of "Passive Spirals" in the Cluster Cl 0024+17: Clues to the Formation of S0 Galaxies. 641, L97 (2006)
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- The O VI Absorbers toward PG 0953+415: High-Metallicity, Cosmic-Web Gas Far from Luminous Galaxies. Todd M. Tripp, Bastien Aracil, David V. Bowen, and Edward B. Jenkins. 643, L77 (2006)
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- TROJA, E. *XMM-Newton* Observations of the Supernova Remnant IC 443. I. Soft X-Ray Emission from Shocked Interstellar Medium. E. Troja, F. Bocchino, and F. Reale. 649, 258 (2006)
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- TRUJILLO, IGNACIO. The Size Evolution of Galaxies since $z \sim 3$: Combining SDSS, GEMS, and FIRES. Ignacio Trujillo, Natascha M. Förster Schreiber, Gregory Rudnick, Marco Barden, Marijn Franx, Hans-Walter Rix, J. A. R. Caldwell, Daniel H. McIntosh, Sune Toft, Boris Häussler, Andrew Zirm, Pieter G. van Dokkum, Ivo Labbé, Alan Moorwood, Huub Röttgering, Arjen van der Wel, Paul van der Werf, and Lottje van Starkenburg. 650, 18 (2006)
- See RUDNICK, GREGORY, et al. Measuring the Average Evolution of Luminous Galaxies at $z < 3$: The Rest-Frame Optical Luminosity Density, Spectral Energy Distribution, and Stellar Mass Density. 650, 624 (2006)
- Detection of the Effect of Cosmological Large-Scale Structure on the Orientation of Galaxies. Ignacio Trujillo, Conrado Carretero, and Santiago G. Patiri. 640, L111 (2006)
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- See ASENSIO RAMOS, A., et al. Theory and Modeling of the Zeeman and Paschen-Back Effects in Molecular Lines. 636, 548 (2006)
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- TRULSEN, J. See BØRVE, S., et al. Multidimensional MHD Shock Tests of Regularized Smoothed Particle Hydrodynamics. 652, 1306 (2006)
- TRUMP, JONATHAN R. A Catalog of Broad Absorption Line Quasars from the Sloan Digital Sky Survey Third Data Release. Jonathan R. Trump, Patrick B. Hall, Timothy A. Reichard, Gordon T. Richards, Donald P. Schneider, Daniel E. Vanden Berk, Gillian R. Knapp, Scott F. Anderson, Xiaohui Fan, J. Brinkman, S. J. Kleinman, and Atsuko Nitta. 165, 1 (2006)
- TRURAN, J. W. See LYNCH, D. K., et al. Early Infrared Spectral Development of V1187 Scorpii (Nova Scorpii 2004 No. 2). 638, 987 (2006)
- See PIAU, L., et al. From First Stars to the Spite Plateau: A Possible Reconciliation of Halo Stars Observations with Predictions from Big Bang Nucleosynthesis. 653, 300 (2006)
- TRUSHKIN, S. A. See KOTANI, T., et al. A Massive Jet Ejection Event from the Microquasar SS 433 Accompanying Rapid X-Ray Variability. 637, 486 (2006)
- TSANGARIDES, S. See AOKI, W., et al. HE 1327–2326, an Unevolved Star with $[\text{Fe}/\text{H}] < -5.0$. I. A Comprehensive Abundance Analysis. 639, 897 (2006)
- TSANGARIDES, STELIOS. See AOKI, WAKO, et al. Carbon-enhanced Metal-poor Stars: Osmium and Iridium Abundances in the Neutron-Capture-enhanced Subgiants CS 31062-050 and LP 625-44. 650, L127 (2006)
- TSUBOI, M. See HANDA, T., et al. Thermal SiO and H^{13}CO^+ Line Observations of the Dense Molecular Cloud G0.11–0.11 in the Galactic Center Region. 636, 261 (2006)
- TSUCHIMOTO, K. See SAKAI, J. I., et al. Simulation of Collision of Two Current Loops in the Upper Chromosphere Using the Two-Fluid Model. 642, 1236 (2006)
- TSUCHIYA, K. See ENOMOTO, R., et al. A Search for Sub-TeV Gamma Rays from the Vela Pulsar Region with CANGAROO-III. 638, 397 (2006)
- See ENOMOTO, R., et al. CANGAROO III Observations of the Supernova Remnant RX J0852.0–4622. 652, 1268 (2006)
- TSUI, T. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- TSUJI, TAKASHI. Infrared Spectra and Visibilities as Probes of the Outer Atmospheres of Red Supergiant Stars. Takashi Tsuji. 645, 1448 (2006)
- TSUJIHARA, H. See SAKO, T., et al. Long-lived Solar Neutron Emission in Comparison with Electron-produced Radiation in the 2005 September 7 Solar Flare. 651, L69 (2006)
- TSUJIMOTO, M. Hard X-Rays from Ultracompact H II Regions in W49A. M. Tsujimoto, T. Hosokawa, E. D. Feigelson, K. V. Getman, and P. S. Broos. 653, 409 (2006)
- TSUJIMOTO, MASAHIRO. See GETMAN, KONSTANTIN V., et al. *Chandra* Study of the Cepheus B Star-forming Region: Stellar Populations and the Initial Mass Function. 163, 306 (2006)
- TSUJIMOTO, TAKUJI. See KONDO, SOHEI, et al. First Detection of Na I D Lines in High-Redshift Damped Ly α Systems. 643, 667 (2006)
- Relics of Metal-free Low-Mass Stars Exploding as Thermonuclear Supernovae. Takuji Tsujimoto and Toshikazu Shigeyama. 638, L109 (2006)
- TSUNEMI, H. See KATSUDA, S., et al. Spatially Resolved X-Ray Spectroscopy of Vela Shrapnel A. 642, 917 (2006)
- TSUNESADA, Y. See SAKO, T., et al. Long-lived Solar Neutron Emission in Comparison with Electron-produced Radiation in the 2005 September 7 Solar Flare. 651, L69 (2006)
- TSUNETA, SAKU. See KOBAYASHI, KEN, et al. Hard X-Ray Spectral Observation of a High-Temperature Thermal Flare. 648, 1239 (2006)
- TSURIBE, TORU. Dust-cooling-induced Fragmentation of Low-Metallicity Clouds. Toru Tsuribe and Kazuyuki Omukai. 642, L61 (2006)
- TSURUTA, SACHIKO. See OHKUBO, TAKUYA, et al. Core-Collapse Very Massive Stars: Evolution, Explosion, and Nucleosynthesis of Population III 500–1000 M_{\odot} Stars. 645, 1352 (2006)
- See TAKAHASHI, MASAOKI, et al. Standing Shocks in Transmagnetosonic Accretion Flows onto a Black Hole. 645, 1408 (2006)
- TSUZUKI, YUMIHIKO. Fe II Emission in 14 Low-Redshift Quasars. I. Observations. Yumihiiko Tsuzuki, Kimiaki Kawara, Yuzuru Yoshii, Shinku Oyabu, Toshihiko Tanabé, and Yoshiaki Matsuoka. 650, 57 (2006)
- TSVETANOV, Z. I. See OVERZIER, RODERIK A., et al. Clustering of Star-forming Galaxies Near a Radio Galaxy at $z = 5.2$. 637, 58 (2006)
- See MEI, S., et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Blue Early-Type Galaxies and Red Pairs in RDCS J0910+5422. 639, 81 (2006)
- See ZHENG, W., et al. An Overdensity of Galaxies near the Most Distant Radio-loud Quasar. 640, 574 (2006)
- TUCKER, C. E. See OBERST, T. E., et al. Detection of the 205 μm [N II] Line from the Carina Nebula. 652, L125 (2006)
- TUCKER, DOUGLAS L. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- See BERLIND, ANDREAS A., et al. Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. 167, 1 (2006)
- TUCKER, O. J. See JOHNSON, R. E., et al. The Enceladus and OH Tori at Saturn. 644, L137 (2006)
- TUCKER, W. H. See SEWARD, F. D., et al. Faint X-Ray Structure in the Crab Pulsar Wind Nebula. 652, 1277 (2006)
- TUELLER, J. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
- See SAMBRUNA, R. M., et al. Discovery of an Extreme MeV Blazar with the *Swift* Burst Alert Telescope. 646, 23 (2006)
- See SAKAMOTO, T., et al. Confirmation of the $E_{\text{peak}}^{\text{peak}}-E_{\text{iso}}$ (Amati) Relation from the X-Ray Flash XRF 050416A Observed by the *Swift* Burst Alert Telescope. 636, L73 (2006)
- TUFFS, R. J. See APPLETON, P. N., et al. Powerful High-Velocity Dispersion Molecular Hydrogen Associated with an Intergalactic Shock Wave in Stephan's Quintet. 639, L51 (2006)
- TUFFS, RICHARD J. See DOPITA, MICHAEL A., et al. Modeling the Pan-Spectral Energy Distribution of Starburst Galaxies. III. Emission Line Diagnostics of Ensembles of Evolving H II Regions. 167, 177 (2006)
- See DOPITA, MICHAEL A., et al. Compact H II Regions: What Lies Within? 639, 788 (2006)
- See DOPITA, MICHAEL A., et al. Modeling the Pan-Spectral Energy Distribution of Starburst Galaxies. II. Control of the H II Region Parameters. 647, 244 (2006)
- TULL, ROBERT G. See ENDL, MICHAEL, et al. Exploring the Frequency of Close-in Jovian Planets around M Dwarfs. 649, 436 (2006)
- TUMLINSON, JASON. See GILLMON, KRISTEN, et al. A *FUSE* Survey of Interstellar Molecular Hydrogen toward High-Latitude AGNs. 636, 891 (2006)
- Chemical Evolution in Hierarchical Models of Cosmic Structure. I. Constraints on the Early Stellar Initial Mass Function. Jason Tumlinson. 641, 1 (2006)
- See STOCKE, JOHN T., et al. The Galaxy Environment of O VI Absorption Systems. 641, 217 (2006)
- See CONNORS, TIM W., et al. On the Origin of Anomalous Velocity Clouds in the Milky Way. 646, L53 (2006)
- TUPA, D. See ABBASI, R. U., et al. Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. 636, 680 (2006)

- TURATTO, M. See BENETTI, S., et al. Supernova 2002ic: The Collapse of a Stripped-Envelope, Massive Star in a Dense Medium? 653, L129 (2006)
- TURCAN, D. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- TURINI, N. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- TURNBULL, MARGARET C. Spectrum of a Habitable World: Earthshine in the Near-Infrared. *Margaret C. Turnbull, Wesley A. Traub, Kenneth W. Jucks, Neville J. Woolf, Michael R. Meyer, Nadya Gorlova, Michael F. Skrutskie, and John C. Wilson*. 644, 551 (2006)
- TURNER, B. E. The C,H Zeeman Effect in TMC-1: Understanding Low-Mass Star Formation. *B. E. Turner and Carl Heiles*. 162, 388 (2006)
- TURNER, EDWIN L. See OTA, NAOMI, et al. *Chandra* Observations of SDSS J1004+4112: Constraints on the Lensing Cluster and Anomalous X-Ray Flux Ratios of the Quadruply Imaged Quasar. 647, 215 (2006)
- See WINN, JOSHUA N., et al. Measurement of the Spin-Orbit Alignment in the Exoplanetary System HD 189733. 653, L69 (2006)
- TURNER, L. See LOVELACE, R. V. E., et al. Jets and Disk Winds from Pulsar Magnetospheres. 652, 1494 (2006)
- TURNER, MICHAEL S. See SHAPIRO, CHARLES, et al. What Do We Really Know about Cosmic Acceleration? 649, 563 (2006)
- TURNER, N. See VAN BELLE, G. T., et al. First Results from the CHARA Array. III. Oblateness, Rotational Velocity, and Gravity Darkening of Alderamin. 637, 494 (2006)
- TURNER, N. H. See BERGER, D. H., et al. First Results from the CHARA Array. IV. The Interferometric Radii of Low-Mass Stars. 644, 475 (2006)
- See AUFDENBERG, J. P., et al. First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star. 645, 664 (2006)
- See AUFDENBERG, J. P., et al. Erratum: "First Results from the CHARA Array. VII. Long-Baseline Interferometric Measurements of Vega Consistent with a Pole-On, Rapidly Rotating Star" (ApJ, 645, 664 [2006]). 651, 617 (2006)
- TURNER, N. J. Turbulent Mixing in the Outer Solar Nebula. *N. J. Turner, K. Willacy, G. Bryden, and H. W. Yorke*. 639, 1218 (2006)
- See BRYDEN, G., et al. *Spitzer* MIPS Limits on Asteroidal Dust in the Pulsar Planetary System PSR B1257+12. 646, 1038 (2006)
- TURNER, NEAL J. See ARRAS, PHIL, et al. Quasi-periodic Oscillations from Magnetorotational Turbulence. 645, L65 (2006)
- TURNER, T. J. See KRAEMER, S. B., et al. Simultaneous Ultraviolet and X-Ray Observations of the Seyfert Galaxy NGC 4151. II. Physical Conditions in the UV Absorbers. 167, 161 (2006)
- TURNISHEK, DAVID A. See PEREYRA, NICOLAS A., et al. On the Steady Nature of Line-driven Disk Winds: Application to Cataclysmic Variables. 636, 411 (2006)
- See RAO, SANDHYA M., et al. Damped Ly α Systems at $z < 1.65$: The Expanded Sloan Digital Sky Survey *Hubble Space Telescope* Sample. 636, 610 (2006)
- See PEREYRA, NICOLAS A., et al. Characteristic QSO Accretion Disk Temperatures from Spectroscopic Continuum Variability. 642, 87 (2006)
- See NESTOR, DANIEL B., et al. MMT Survey for Intervening Mg II Absorption. 643, 75 (2006)
- TUROLIA, R. See MEREGHETTI, S., et al. The First *XMM-Newton* Observations of the Soft Gamma-Ray Repeater SGR 1900+14. 653, 1423 (2006)
- TUTHILL, P. G. See WEINER, J., et al. The Asymmetric Dust Environment of IK Tauri. 636, 1067 (2006)
- See MILLAN-GABET, R., et al. Keck Interferometer Observations of FU Orionis Objects. 641, 547 (2006)
- TUTHILL, PETER G. See PRAVDO, STEVEN H., et al. Masses of Astrometrically Discovered and Imaged Binaries: G78-28AB and GJ 231.1BC. 649, 389 (2006)
- See LLOYD, JAMES P., et al. Direct Detection of the Brown Dwarf GJ 802B with Adaptive Optics Masking Interferometry. 650, L131 (2006)
- TYLKA, A. J. A Comparative Study of Ion Characteristics in the Large Gradual Solar Energetic Particle Events of 2002 April 21 and 2002 August 24. *A. J. Tylka, C. M. S. Cohen, W. F. Dietrich, M. A. Lee, C. G. Maclellan, R. A. Mewaldt, C. K. Ng, and D. V. Reames*. 164, 536 (2006)
- TYLKA, ALLAN J. A Model for Spectral and Compositional Variability at High Energies in Large, Gradual Solar Particle Events. *Allan J. Tylka and Martin A. Lee*. 646, 1319 (2006)
- TYSON, J. A. See WITTMAN, D., et al. First Results on Shear-selected Clusters from the Deep Lens Survey: Optical Imaging, Spectroscopy, and X-Ray Follow-up. 643, 128 (2006)
- TYSON, J. ANTHONY. See ZHAN, HU, et al. Exploring Large-Scale Structure with Billions of Galaxies. 640, 8 (2006)
- TZANAVARIS, P. See GEORGAKAKIS, A., et al. X-Ray Number Counts of Normal Galaxies. 641, L101 (2006)
- TZIOUMIS, A. K. See KAARET, P., et al. Evolution of the X-Ray Jets from 4U 1755-33. 641, 410 (2006)
- TZIOUMIS, ANASTASIOS K. See BIGNALL, HAYLEY E., et al. Rapid Interstellar Scintillation of PKS 1257-326: Two-Station Pattern Time Delays and Constraints on Scattering and Microarcsecond Source Structure. 652, 1050 (2006)
- UBERTINI, P. See BIRD, A. J., et al. The Second IBIS/ISGRI Soft Gamma-Ray Survey Catalog. 636, 765 (2006)
- See CAPITANIO, F., et al. Spectral States of the X-Ray Binary IGR J17091-3624 Observed by *INTEGRAL* and *RXTE*. 643, 376 (2006)
- See SGUIERA, V., et al. Unveiling Supergiant Fast X-Ray Transient Sources with *INTEGRAL*. 646, 452 (2006)
- See LANDI, R., et al. *Swift* XRT Follow-up Observations of TeV Sources of the HESS Inner Galaxy Survey. 651, 190 (2006)
- See BASSANI, L., et al. *INTEGRAL* IBIS Extragalactic Survey: Active Galactic Nuclei Selected at 20-100 keV. 636, L65 (2006)
- See BAZZANO, A., et al. *INTEGRAL* IBIS Census of the Sky Beyond 100 keV. 649, L9 (2006)
- See DI SALVO, T., et al. A Hard X-Ray View of Scorpius X-1 with *INTEGRAL*: Nonthermal Emission? 649, L91 (2006)
- UBERTINI, PIETRO. See FIOCCHI, MARIATERESA, et al. Disk-Jet Coupling in the Low-Mass X-Ray Binary 4U 1636-53 from *INTEGRAL* Observations. 651, 416 (2006)
- UCHIDA, K. I. See FURLAN, E., et al. A Survey and Analysis of *Spitzer* Infrared Spectrograph Spectra of T Tauri Stars in Taurus. 165, 568 (2006)
- UCHIYAMA, YASUNOBU. Shedding New Light on the 3C 273 Jet with the *Spitzer Space Telescope*. *Yasunobu Uchiyama, C. Megan Urry, C. C. Cheung, Sebastian Jester, Jeffrey Van Deyne, Paolo Coppi, Rita M. Sambruna, Tadayuki Takahashi, Fabrizio Tavecchio, and Laura Maraschi*. 648, 910 (2006)
- UDALSKI, A. See SUMI, T., et al. Microlensing Optical Depth toward the Galactic Bulge Using Bright Sources from OGLE-II. 636, 240 (2006)
- See DONG, SUBO, et al. Planetary Detection Efficiency of the Magnification 3000 Microlensing Event OGLE-2004-BLG-343. 642, 842 (2006)
- See ASSEF, R. J., et al. Removing the Microlensing Blending-Parallax Degeneracy Using Source Variability. 649, 954 (2006)
- See GOULD, A., et al. Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. 644, L37 (2006)
- UDALSKI, ANDRZEJ. See FERNÁNDEZ, JOSÉ MIGUEL, et al. Millimagnitude Optical Photometry for the Transiting Planetary Candidate OGLE-TR-109. 647, 587 (2006)
- See PIETRZYŃSKI, GRZEGORZ, et al. The Araucaria Project: A Wide-Field Photometric Survey for Cepheid Variables in NGC 3109. 648, 366 (2006)
- See BENNETT, DAVID P., et al. Identification of the OGLE-2003-BLG-235/MOA-2003-BLG-53 Planetary Host Star. 647, L171 (2006)
- UD-DOULA, ASIF. See HAYES, JOHN C., et al. Simulating Radiating and Magnetized Flows in Multiple Dimensions with ZEUS-MP. 165, 188 (2006)
- Centrifugal Breakout of Magnetically Confined Line-driven Stellar Winds. *Asif ud-Doula, Richard H. D. Townsend, and Stanley P. Owocki*. 640, L191 (2006)
- UDRY, S. See BAKOS, G. Á., et al. Refined Parameters of the Planet Orbiting HD 189733. 650, 1160 (2006)
- UEDA, YOSHIHIRO. See KIUCHI, GAKU, et al. Host Galaxies of Hard X-

- Ray–Selected Type 2 Active Galactic Nuclei at Intermediate Redshifts. 647, 892 (2006)
- See KOTANI, TARO, et al. Erratum: “ASCA Observations of the Absorption Line Features from the Superluminal Jet Source GRS 1915+105” (ApJ, 539, 413 [2000]), 651, 615 (2006)
- Erratum: “Study of the Galactic Interstellar Medium from High-Resolution X-Ray Spectroscopy: X-Ray Absorption Fine Structure and Abundances of O, Mg, Si, S, and Fe” (ApJ, 620, 274 [2005]), Yoshihiro Ueda, Kazuhisa Mitsuda, Hiroshi Murakami, and Kyoko Matsushita. 652, 845 (2006)
- See KIUCHI, GAKU, et al. Erratum: “Host Galaxies of Hard X-Ray–Selected Type 2 Active Galactic Nuclei at Intermediate Redshifts” (ApJ, 647, 892 [2006]), 653, 1583 (2006)
- UESHIMA, K. See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra–High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- UETA, T. Detection of a Far-Infrared Bow Shock Nebula around R Hya: The First MIRIAD Results. T. Ueta, A. K. Speck, R. E. Stencel, F. Herwig, R. D. Gehrz, R. Szczerba, H. Izumiura, A. A. Zijlstra, W. B. Latter, M. Matsuura, M. Meixner, M. Steffen, and M. Elitzur. 648, L39 (2006)
- UETA, TOSHIYA. Proper-Motion Measurements of the Cygnus Egg Nebula. Toshiya Ueta, Koji Murakawa, and Margaret Meixner. 641, 1113 (2006)
- Spitzer MIPS Imaging of NGC 650: Probing the History of Mass Loss on the Asymptotic Giant Branch. Toshiya Ueta. 650, 228 (2006)
- UGALDE, C. See KARAKAS, A. L., et al. The Uncertainties in the $^{22}\text{Ne} + \alpha$ -Capture Reaction Rates and the Production of the Heavy Magnesium Isotopes in Asymptotic Giant Branch Stars of Intermediate Mass. 643, 471 (2006)
- UGARTE-URRA, IGNACIO. An Investigation into the Variability of Heating in a Solar Active Region. Ignacio Ugarte-Urra, Amy R. Winebarger, and Harry P. Warren. 643, 1245 (2006)
- UHM, ZUHNIGWHI LUCAS. See BELOBORODOV, ANDREI M., et al. Mechanical Model for Relativistic Blast Waves. 651, L1 (2006)
- UITENBROEK, H. The Inverse-C Shape of Solar Chromospheric Line Bisectors. H. Uitenbroek. 639, 516 (2006)
- The Contrast of Magnetic Elements in Synthetic CH- and CN-Band Images of Solar Magnetconvection. H. Uitenbroek and A. Tritschler. 639, 525 (2006)
- Evidence for a Siphon Flow Ending near the Edge of a Pore. H. Uitenbroek, K. S. Balasubramaniam, and A. Tritschler. 645, 776 (2006)
- See TRITSCHLER, A., et al. The Contrast of Magnetic Flux Concentrations at Near-Infrared and Visible Wavelengths. 648, 741 (2006)
- ULACZYK, K. See GOULD, A., et al. Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. 644, L37 (2006)
- ULANOV, M. See PEDERSEN, K., et al. Multiwavelength Studies of the Optically Dark Gamma-Ray Burst 001025A. 636, 381 (2006)
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- UMEDA, HIDEYUKI. See OHKUBO, TAKUYA, et al. Core-Collapse Very Massive Stars: Evolution, Explosion, and Nucleosynthesis of Population III 500–1000 M_{\odot} Stars. 645, 1352 (2006)
- See KOBAYASHI, CHIAKI, et al. Galactic Chemical Evolution: Carbon through Zinc. 653, 1145 (2006)
- See HAYAKAWA, TAKEHITO, et al. Principle of Universality of γ -Process Nucleosynthesis in Core-Collapse Supernova Explosions. 648, L47 (2006)
- UMEMURA, M. See HIROSE, Y., et al. Imprint of Gravitational Lensing by Population III Stars in Gamma-Ray Burst Light Curves. 650, 252 (2006)
- UMEMURA, MASAYUKI. See KAWAKATU, NOZOMU, et al. Type I Ultraluminous Infrared Galaxies: Transition Stage from ULIRGs to QSOs. 637, 104 (2006)
- See KASHIKAWA, NOBUNARI, et al. Clustering of Lyman Break Galaxies at $z = 4$ and $z = 5$ in the Subaru Deep Field: Luminosity Dependence of the Correlation Function Slope. 637, 631 (2006)
- See KASHIKAWA, NOBUNARI, et al. The End of the Reionization Epoch Probed by Ly α Emitters at $z = 6.5$ in the Subaru Deep Field. 648, 7 (2006)
- See YOSHIDA, MAKIKO, et al. Luminosity Functions of Lyman Break Galaxies at $z \sim 4$ and $z \sim 5$ in the Subaru Deep Field. 653, 988 (2006)
- See SUSA, HAJIME, et al. Secondary Star Formation in a Population III Object. 645, L93 (2006)
- UNAGIHE, H. See HIRAOKA, K., et al. Solid-Phase Reactions of D with CN to Form DNC and DCN at Cryogenic Temperatures. 643, 917 (2006)
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- UNWIN, S. See MILLAN-GABET, R., et al. Keck Interferometer Observations of FU Orionis Objects. 641, 547 (2006)
- UOMOTO, ALAN. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- URATA, Y. See BUTLER, N. R., et al. When Do Internal Shocks End and External Shocks Begin? Early-Time Broadband Modeling of GRB 051111. 652, 1390 (2006)
- URBAN, JOEL A. The Dwarf Novae during Quiescence. Joel A. Urban and Edward M. Sion. 642, 1029 (2006)
- URBANEJA, MIGUEL A. See BRESOLIN, FABIO, et al. The Araucaria Project: VLT Spectra of Blue Supergiants in WLM— Classification and First Abundances. 648, 1007 (2006)
- UREÑA-LÓPEZ, L. ARTURO. See GUZMÁN, F. SIDDHARTHA, et al. Gravitational Cooling of Self-gravitating Bose Condensates. 645, 814 (2006)
- URRY, C. MEGAN. See GAWISER, ERIC, et al. The Multiwavelength Survey by Yale–Chile (MUSYC): Survey Design and Deep Public *UBVRIZ* Images and Catalogs of the Extended Hubble Deep Field–South. 162, 1 (2006)
- See TREISTER, EZEQUIEL, et al. *Spitzer* Number Counts of Active Galactic Nuclei in the GOODS Fields. 640, 603 (2006)
- See SAMBRUNA, RITA M., et al. Deep *Chandra* and Multicolor *HST* Follow-up of the Jets in Two Powerful Radio Quasars. 641, 717 (2006)
- See TAVECCHIO, F., et al. Deceleration from Entrainment in the Jet of the Quasar 1136–135? 641, 732 (2006)
- See UCHIYAMA, YASUNOBU, et al. Shedding New Light on the 3C 273 Jet with the *Spitzer Space Telescope*. 648, 910 (2006)
- See GAWISER, ERIC, et al. The Physical Nature of Ly α -emitting Galaxies at $z = 3.1$. 642, L13 (2006)
- See KRIEK, MARISKA, et al. Spectroscopic Identification of Massive Galaxies at $z \sim 2.3$ with Strongly Suppressed Star Formation. 649, L71 (2006)
- See TREISTER, EZEQUIEL, et al. The Evolution of Obscuration in Active Galactic Nuclei. 652, L79 (2006)
- URSINO, E. X-Ray Flux from the Warm-Hot Intergalactic Medium. E. Ursino and M. Galeazzi. 652, 1085 (2006)
- USERO, A. See FUENTE, A., et al. Detection of CO $^{+}$ in the Nucleus of M82. 641, L105 (2006)
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- The 2005 November Outburst in OJ 287 and the Binary Black Hole Model. *M. J. Valtonen, K. Nilsson, A. Sillanpää, L. O. Takalo, H. J. Lehto, W. C. Keel, S. Haque, D. Cornwall, and A. Mattingly*. 643, L9 (2006)
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- ChaMPPlane Discovery of Candidate Symbiotic Binaries in Baade's and Stanek's Windows. *M. van den Berg, J. Grindlay, S. Laycock, J. Hong, P. Zhao, X. Koenig, E. M. Schlegel, H. Cohn, P. Lugger, R. M. Rich, A. K. Dupree, G. H. Smith, and J. Strader*. 647, L135 (2006)
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- Zeeuw, Karl Gebhardt, Eva Noyola, and Glenn van de Ven. 641, 852 (2006)
- VANDEN BOUT, P. See SHIELDS, G. A., et al. The Black Hole-Bulge Relationship for QSOs at High Redshift. 641, 683 (2006)
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- See RUDNICK, GREGORY, et al. Measuring the Average Evolution of Luminous Galaxies at $z < 3$: The Rest-Frame Optical Luminosity Density, Spectral Energy Distribution, and Stellar Mass Density. 650, 624 (2006)
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- The Space Density and Colors of Massive Galaxies at $2 < z < 3$: The Predominance of Distant Red Galaxies. P. G. van Dokkum, R. Quadri, D. Marchesini, G. Rudnick, M. Franx, E. Gawiser, D. Herrera, S. Wuyts, P. Lira, I. Labbé, J. Maza, G. D. Illingworth, N. M. Förster Schreiber, M. Kriek, H.-W. Rix, E. N. Taylor, S. Toft, T. Webb, and S. K. Yi. 638, L59 (2006)
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- Oxygen and Nitrogen in Leo A and GR 8. *Liese van Zee, Evan D. Skillman, and Martha P. Haynes*. 637, 269 (2006)
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- The Dust-scattered X-Ray Halo around Swift GRB 050724. S. Vaughan, R. Willingale, P. Romano, J. P. Osborne, M. R. Goad, A. P. Beardmore, D. N. Burrows, S. Campana, G. Chincarini, S. Covino, A. Moretti, P. T. O'Brien, K. L. Page, M. A. Supper, and G. Tagliaferri. 639, 323 (2006)
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- See SCHWEITZER, M., et al. *Spitzer* Quasar and ULIRG Evolution Study (QUEST). I. The Origin of the Far-Infrared Continuum of QSOs. 649, 79 (2006)
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- A Cosmic Milestone: Constraints from Metal-poor Halo Stars on the Cosmological Reionization Epoch. *Aparna Venkatesan*. 641, L81 (2006)
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- VERBUNT, FRANK. See KONG, ALBERT K. H., et al. *Chandra* and *Hubble Space Telescope* Study of the Globular Cluster NGC 288. 647, 1065 (2006)
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- VERDE, LICIA. See HERNÁNDEZ-MONTEAGUDO, CARLOS, et al. Correlation Properties of the Kinematic Sunyaev-Zel'dovich Effect and Implications for Dark Energy. 643, 598 (2006)

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- VERONIG, ASTRID M. Interaction of a Moreton/EIT Wave and a Coronal Hole. *Astrid M. Veronig, Manuela Temmer, Bojan Vršnak, and Julia K. Thalmann*. 647, 1466 (2006)
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- VIG, S. Infrared and Radio Study of Star-forming Regions Associated with IRAS 19111+1048 and IRAS 19110+1045. *S. Vig, S. K. Ghosh, V. K. Kulkarni, D. K. Ojha, and R. P. Verma*. 637, 400 (2006)
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- Optical Emission Band Morphologies of the Red Rectangle. *Uma P. Vijh, Adolf N. Witt, Donald G. York, Vikram V. Dwarkadas, Bruce E. Woodgate, and Povilas Palunas*. 653, 1336 (2006)
- VIKHLININ, A. *Chandra* Sample of Nearby Relaxed Galaxy Clusters: Mass, Gas Fraction, and Mass-Temperature Relation. *A. Vikhlinin, A. Kravtsov, W. Forman, C. Jones, M. Markevitch, S. S. Murray, and L. Van Speybroeck*. 640, 691 (2006)
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- VILA-VILARÓ, B. See YUSEF-ZADEH, F., et al. A Multiwavelength Study of Sgr A*: The Role of Near-IR Flares in Production of X-Ray, Soft γ -Ray, and Submillimeter Emission. 644, 198 (2006)
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- VILLANUEVA, GERONIMO L. The Volatile Composition of the Split Ecliptic comet 73P/Schwassmann-Wachmann 3: A Comparison of Fragments C and B. *Geronimo L. Villanueva, Boncho P. Bonev, Michel J. Mumma, Karen Magee-Sauer, Michael A. DiSanti, C. Salyk, and Geoffrey A. Blake*. 650, L87 (2006)
- VILLAR-SBAFFI, A. An Extreme Case of a Misaligned Highly Flattened Wind in the Wolf-Rayet Binary CX Cephei. *A. Villar-Sbaffi, N. St-Louis, Anthony F. J. Moffat, and Vilppu Pirola*. 640, 995 (2006)

- VILLAYER, EVA. See SHAW, RICHARD A., et al. *Hubble Space Telescope Images of Magellanic Cloud Planetary Nebulae*. 167, 201 (2006)
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- VINK, J. See RENAUD, M., et al. The Signature of ^{44}Ti in Cassiopeia A Revealed by IBIS/ISGRI on *INTEGRAL*. 647, L41 (2006)
- VINK, JACCO. The X-Ray Synchrotron Emission of RCW 86 and the Implications for Its Age. *Jacco Vink, Johan Bleeker, Kurt van der Heyden, Andrei Bykov, Aya Bumba, and Ryo Yamazaki*. 648, L33 (2006)
- VINKOVIĆ, DEJAN. Near-Infrared and the Inner Regions of Protoplanetary Disks. *Dejan Vinković, Željko Ivezić, Tomislav Jurkić, and Moshe Elitzur*. 636, 348 (2006)
- Temperature Inversion on the Surface of Externally Heated Optically Thick Multigrain Dust Clouds. *Dejan Vinković*. 651, 906 (2006)
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- VISSCHER, CHANNON. Atmospheric Chemistry in Giant Planets, Brown Dwarfs, and Low-Mass Dwarf Stars. II. Sulfur and Phosphorus. *Channon Visscher, Katharina Lodders, and Bruce Fegley, Jr.*. 648, 1181 (2006)
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- VLADIMIROV, ANDREY. Nonlinear Diffusive Shock Acceleration with Magnetic Field Amplification. *Andrei Vladimirov, Donald C. Ellison, and Andrei Bykov*. 652, 1246 (2006)
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- VLEMMINGS, W. H. T. Intrinsic Properties of the Magnetically Collimated H₂O Maser Jet of W43A. *W. H. T. Vlemmings and P. J. Diamond*. 648, L59 (2006)
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- VOGES, E. S. Detection of [O I] λ 6300 and Other Diagnostic Emission Lines in the Diffuse Ionized Gas of M33 with Gemini-North. *E. S. Voges and R. A. M. Walterbos*. 644, L29 (2006)
- VOGES, WOLFGANG. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- See HENRY, J. PATRICK, et al. The *ROSAT* North Ecliptic Pole Survey: The X-Ray Catalog. 162, 304 (2006)
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- See WEINER, BENJAMIN J., et al. A Survey of Galaxy Kinematics to $z \sim 1$ in the TKRS/GOODS-N Field. II. Evolution in the Tully-Fisher Relation. 653, 1049 (2006)
- VOGT, NICOLE P. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
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- See JOHNSON, JOHN ASHER, et al. The N2K Consortium. VI. Doppler Shifts without Templates and Three New Short-Period Planets. 647, 600 (2006)
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- VOLGENAU, N. H. Dense Cores with Multiple Protostars: The Velocity Fields of L1448 IRS 3, NGC 1333 IRAS 2, and NGC 1333 IRAS 4. *N. H. Volgenau, L. G. Mundy, L. W. Looney, and W. J. Welch*. 651, 301 (2006)
- VÖLK, H. J. See ZIRAKASHVILI, V. N., et al. Simple Model of the Outflow from Starburst Galaxies: Application to Radio Observations. 636, 140 (2006)
- See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- VOLK, K. See HASEGAWA, T. I., et al. Observations of the Circumstellar Water $I_{10} \rightarrow I_{01}$ and Ammonia $I_{01} \rightarrow 0_0$ Lines in IRC +10216 by the *Odin* Satellite. 637, 791 (2006)
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- An Infrared Imaging Study of the Bipolar Proto-Planetary Nebula IRAS 16594–4656. *Kevin Volk, Bruce J. Hrivnak, Kate Y. L. Su, and Sun Kwok*. 651, 294 (2006)
- VOLONTERI, MARTA. Quasars at $z = 6$: The Survival of the Fittest. *Marta Volonteri and Martin J. Rees*. 650, 669 (2006)
- VON BENDA-BECKMANN, A. M. See KLAASSEN, P. D., et al. The Possibly Remnant Massive Outflow in G5.89-0.39. I. Observations and Initial Magnetohydrodynamic Simulations. 648, 1079 (2006)
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- Inverting Color-Magnitude Diagrams to Access Precise Star Cluster Parameters: A Bayesian Approach. *Ted von Hippel, William H. Jefferys, James Scott, Nathan Stein, D. E. Winget, Steven DeGennaro, Albert Dam, and Elizabeth Jeffery*. 645, 1436 (2006)
- See KILIC, MUKREMIN, et al. Debris Disks around White Dwarfs: The DAZ Connection. 646, 474 (2006)
- VOROBYOV, E. I. The Burst Mode of Protostellar Accretion. *E. I. Vorobyov and Shantanu Basu*. 650, 956 (2006)
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- VOURLIDAS, ANGELOS. The Proper Treatment of Coronal Mass Ejection Brightness: A New Methodology and Implications for Observations. *Angelos Vourlidas and Russell A. Howard*. 642, 1216 (2006)
- See LIN, JUN, et al. Theoretical Investigation of the Onsets of Type II Radio Bursts during Solar Eruptions. 649, 1110 (2006)
- See COLANINNO, ROBIN C., et al. Analysis of the Velocity Field of CMEs Using Optical Flow Methods. 652, 1747 (2006)
- VREESWIJK, P. See WATSON, D., et al. A $\log N_{H1} = 22.6$ Damped Ly α Absorber in a Dark Gamma-Ray Burst: The Environment of GRB 050401. 652, 1011 (2006)
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- VRTILEK, S. D. Erratum: "Observations of Scorpius X-1 with *IUE*: Ultraviolet Results from a Multiwavelength Campaign" (*ApJ*, 376, 278 [1991]). *S. D. Vrtilek, W. Penninx, J. C. Raymond, F. Verbant, P. Hertz, K. Wood, W. H. G. Levin, and K. Mitsuda*. 637, 1148 (2006)
- VUCETICH, HECTOR. See LANDAU, SUSANA J., et al. Primordial Nucleosynthesis with Varying Fundamental Constants: A Semianalytical Approach. 637, 38 (2006)
- VUČKOVIĆ, M. Whole Earth Telescope Observations of the Pulsating Subdwarf B Star PG 0014+067. *M. Vučković, S. D. Kawaler, S. O'Toole, Z. Csabry, A. Baran, S. Zola, P. Moskalik, E. W. Klumpe, R. Riddle, M. S. O'Brien, F. Mullally, M. A. Wood, V. Wilkat, A.-Y. Zhou, M. D. Reed, D. M. Terndrup, D. J. Sullivan, S.-L. Kim, W. P. Chen, C.-W. Chen, W.-S. Hsiao, K. Sanchawala, H.-T. Lee, X. J. Jiang, R. Janulis, M. Sivak, W. Ogloza, M. Paparó, Zs. Bognár, Á. Sódor, G. Handler, D. Lorenz, B. Steininger, R. Silvotti, G. Vauclair, R. O'reiro, R. Østensen, A. Bronowska, B. G. Castanheira, S. O. Kepler, L. Fraga, H. L. Shipman, J. L. Provencal, and D. Childers*. 646, 1230 (2006)
- VUITTON, V. The Nitrogen Chemistry of Titan's Upper Atmosphere Revealed. *V. Vuitton, R. V. Yelle, and V. G. Anicich (Retired)*. 647, L175 (2006)
- WACHTER, R. Line Shape Changes and Doppler Measurements in Solar Active Regions. I. A Method for Correcting Dopplergrams from *SOHO* MDI. *R. Wachter, J. Schou, and K. Sankarasubramanian*. 648, 1256 (2006)
- WACHTER, S. See INGALLS, JAMES G., et al. Erratum: "Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey" (*ApJS*, 154, 281 [2004]). 164, 306 (2006)
- See FARHI, J., et al. White Dwarf–Red Dwarf Systems Resolved with the *Hubble Space Telescope*. I. First Results. 646, 480 (2006)
- WACHTER, STEFANIE. See MORRIS, PATRICK W., et al. Tentative Discovery of a New Supernova Remnant in Cepheus: Unveiling an Elusive Shell in the *Spitzer* Galactic First Look Survey. 640, L179 (2006)
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- See SAITO, TAKAYUKI R., et al. Tidal Disruption of Dark Matter Halos around Proto–Globular Clusters. 640, 22 (2006)
- WADDINGTON, I. See FARRAH, D., et al. The Spatial Clustering of Ultraluminous Infrared Galaxies over $1.5 < z < 3$. 641, L17 (2006)
- See FARRAH, D., et al. Erratum: "The Spatial Clustering of Ultraluminous Infrared Galaxies over $1.5 < z < 3$ " (*ApJ* 641, L17 [2006]). 643, L139 (2006)
- WADE, G. A. See VALYAVIN, G., et al. A Search for Kilogauss Magnetic Fields in White Dwarfs and Hot Subdwarf Stars. 648, 559 (2006)
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- WAGG, J. Atomic Carbon in APM 08279+5255 at $z = 3.91$. *J. Wagg, D. J. Wilner, R. Neri, D. Downes, and T. Wiklund*. 651, 46 (2006)
- WAGNER, R. See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813–178. 637, L41 (2006)
- WAGNER, R. M. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834–087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- WAGNER, S. J. See AHARONIAN, F., et al. The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. 636, 777 (2006)
- WAHHAJ, ZAHED. See JØRGENSEN, JES K., et al. The *Spitzer* c2d Survey of Large, Nearby, Interstellar Clouds. III. Perseus Observed with IRAC. 645, 1246 (2006)
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- See LEE, JEONG-EUN, et al. The *Spitzer* c2d Survey of Nearby Dense Cores. III. Low-Mass Star Formation in a Small Group. L1251B. 648, 491 (2006)
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- See LEHNER, N., et al. Low-Redshift Intergalactic Absorption Lines in the Spectrum of HE 0226–4110. 164, 1 (2006)
- WAKKER, BART P. See FOX, ANDREW J., et al. A Survey of O VI, C III, and H I in Highly Ionized High-Velocity Clouds. 165, 229 (2006)
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- WALCHER, C. J. Stellar Populations in the Nuclei of Late-Type Spiral Galaxies. *C. J. Walcher, T. Böker, S. Charlot, L. C. Ho, H.-W. Rix, J. Rossa, J. C. Shields, and R. P. van der Marel*. 649, 692 (2006)
- WALDER, ROLF. See OTT, CHRISTIAN D., et al. The Spin Periods and Rotational Profiles of Neutron Stars at Birth. 164, 130 (2006)
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- See HEDDEN, ABIGAIL S., et al. Star Formation in the Northern Cloud Complex of NGC 2264. 645, 345 (2006)
- See NARAYANAN, DESIKA, et al. Molecular Line Emission from Gravitationally Unstable Protoplanetary Disks. 647, 1426 (2006)
- See NARAYANAN, DESIKA, et al. Molecular Outflows in Galaxy Merger Simulations with Embedded Active Galactic Nuclei. 642, L107 (2006)
- WALKER, G. A. H. See AERTS, C., et al. δ Ceti Is Not Monoperiodic: Seismic Modeling of a β Cephei Star from *MOST* Space-based Photometry. 642, 470 (2006)
- See SAJO, H., et al. *MOST* Detects g - and p -Modes in the B Supergiant HD 163899 (B2 Ib/II). 650, 1111 (2006)
- See AERTS, C., et al. Discovery of the New Slowly Pulsating B Star HD 163830 (B5 II/III) from *MOST* Space-based Photometry. 642, L165 (2006)
- WALKER, GORDON A. H. See MAIER, JOHN P., et al. The Gas Phase Spectrum of Cyclic C₁₈ and the Diffuse Interstellar Bands. 640, 369 (2006)
- See ROWE, JASON F., et al. An Upper Limit on the Albedo of HD 209458b: Direct Imaging Photometry with the *MOST* Satellite. 646, 1241 (2006)
- See CROLL, BRYCE, et al. Differential Rotation of ϵ Eridani Detected by *MOST*. 648, 607 (2006)
- WALKER, MATTHEW G. See BENTZ, MISTY C., et al. A Reverberation-based Mass for the Central Black Hole in NGC 4151. 651, 775 (2006)
- See DENNEY, KELLY D., et al. The Mass of the Black Hole in the Seyfert 1 Galaxy NGC 4593 from Reverberation Mapping. 653, 152 (2006)
- On Kinematic Substructure in the Sextans Dwarf Spheroidal Galaxy. *Matthew G. Walker, Mario Mateo, Edward W. Olszewski, Jayanta Kumar Pal, Bodhisatwa Sen, and Michael Woodroffe*. 642, L41 (2006)
- WALKER, T. J. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- WALLACE, CHRISTOPHER. See ROBOTHAM, AARON, et al. Galaxy Luminosities in 2dF Percolation-Inferred Galaxy (2PIGG) Groups. 652, 1077 (2006)
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- WALLIN, JOHN F. See PAGE, GARY L., et al. Can Minor Planets Be Used to Assess Gravity in the Outer Solar System? 642, 606 (2006)
- WALSH, ANDREW J. Observations of Global and Local Infall in NGC 1333. *Andrew J. Walsh, Tyler L. Bourke, and Philip C. Myers*. 637, 860 (2006)
- WALSH, R. W. See MARSH, M. S., et al. p -Mode Propagation through the Transition Region into the Solar Corona. I. Observations. 643, 540 (2006)
- WALTER, C. W. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- WALTER, F. See MURPHY, E. J., et al. An Initial Look at the Far-Infrared–Radio Correlation within Nearby Star-forming Galaxies Using the *Spitzer Space Telescope*. 638, 157 (2006)
- See LEROY, A., et al. Molecular Gas in the Low-Metallicity, Star-forming Dwarf IC 10. 643, 825 (2006)
- See DALE, D. A., et al. Mid-Infrared Spectral Diagnostics of Nuclear and Extranuclear Regions in Nearby Galaxies. 646, 161 (2006)
- See ROUSSEL, H., et al. The Opaque Nascent Starburst in NGC 1377: *Spitzer* SINGS Observations. 646, 841 (2006)
- See ENGELBRACHT, C. W., et al. Extended Mid-Infrared Aromatic Feature Emission in M82. 642, L127 (2006)
- See MURPHY, E. J., et al. The Effect of Star Formation on the Far-Infrared–Radio Correlation within Galaxies. 651, L111 (2006)
- WALTER, FABIAN. See BENDO, GEORGE J., et al. *Spitzer* and JCMT Observations of the Active Galactic Nucleus in the Sombrero Galaxy (NGC 4594). 645, 134 (2006)
- See CANNON, JOHN M., et al. Warm Dust and Spatially Variable Polycyclic Aromatic Hydrocarbon Emission in the Dwarf Starburst Galaxy NGC 1705. 647, 293 (2006)
- See RIECHERS, DOMINIK A., et al. A Search for H₂O in the Strongly Lensed QSO MG 0751+2716 at $z = 3.2$. 649, 635 (2006)
- See RIECHERS, DOMINIK A., et al. CO(1–0) in $z \geq 4$ Quasar Host Galaxies: No Evidence for Extended Molecular Gas Reservoirs. 650, 604 (2006)
- See CANNON, JOHN M., et al. The Nature of Infrared Emission in the Local Group Dwarf Galaxy NGC 6822 as Revealed by *Spitzer*. 652, 1170 (2006)
- See RIECHERS, DOMINIK A., et al. First Detection of HCO⁺ Emission at High Redshift. 645, L13 (2006)
- WALTER, FREDERICK M. See HERCZEG, GREGORY J., et al. The Origins of Fluorescent H₂ Emission from T Tauri Stars. 165, 256 (2006)
- See HOWELL, STEVE B., et al. Mass Determination and Detection of the Onset of Chromospheric Activity for the Substellar Object in EF Eridani. 652, 709 (2006)
- WALTER, R. See BIRD, A. J., et al. The Second IBIS/ISGRI Soft Gamma-Ray Survey Catalog. 636, 765 (2006)
- See BASSANI, L., et al. *INTEGRAL* IBIS Extragalactic Survey: Active Galactic Nuclei Selected at 20–100 keV. 636, L65 (2006)
- See BAZZANO, A., et al. *INTEGRAL* IBIS Census of the Sky Beyond 100 keV. 649, L9 (2006)
- WALTER, ROLAND. See TOMSICK, JOHN A., et al. Identifications of Four *INTEGRAL* Sources in the Galactic Plane via *Chandra* Localizations. 647, 1309 (2006)
- See THOMPSON, THOMAS W. J., et al. Orbital Parameters for the X-Ray Pulsar IGR J16393–4643. 649, 373 (2006)
- WALTERBOS, R. See NOTA, A., et al. Discovery of a Population of Pre-Main-Sequence Stars in NGC 346 from Deep *Hubble Space Telescope* ACS Images. 640, L29 (2006)
- WALTERBOS, R. A. M. See VOGES, E. S., et al. Detection of [O I] λ 6300 and Other Diagnostic Emission Lines in the Diffuse Ionized Gas of M33 with Gemini-North. 644, L29 (2006)
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- WAMBISGANS, JOACHIM. See KEETON, CHARLES R., et al. Differential Microlensing of the Continuum and Broad Emission Lines in SDSS J0924+0219, the Most Anomalous Lensed Quasar. 639, 1 (2006)
- WANAJO, S. See HONDA, S., et al. Neutron-Capture Elements in the Very Metal Poor Star HD 122563. 643, 1180 (2006)
- WANAJO, SHINYA. Enrichment of Very Metal Poor Stars with Both r -Process and s -Process Elements from 8–10 M_{\odot} Stars. *Shinya Wanajo, Ken'ichi Nomoto, Nobuyuki Iwamoto, Yuhri Ishimaru, and Timothy C. Beers*. 636, 842 (2006)
- The r -Process in Neutrino-driven Winds. *Shinya Wanajo*. 647, 1323 (2006)

- See NAKAMURA, KO, et al. Light-Element Production in the Circumstellar Matter of Energetic Type Ic Supernovae. 643, L115 (2006)
- The r -Process in Proto-Neutron Star Winds with Anisotropic Neutrino Emission. *Shinya Wanajo*. 650, L79 (2006)
- WAN CHAN TSEUNG, H. See AHARIMIM, B., et al. A Search for Neutrinos from the Solar hep Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
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- WANG, A. H. See WU, S. T., et al. Data-driven Magnetohydrodynamic Model for Active Region Evolution. 652, 800 (2006)
- WANG, CHEN. Neutron Star Kicks in Isolated and Binary Pulsars: Observational Constraints and Implications for Kick Mechanisms. *Chen Wang, Dong Lai, and J. L. Han*. 639, 1007 (2006)
- WANG, DING-XIONG. Screw Instability of Magnetic Field and Gamma-Ray Bursts in Type Ib/c Supernovae. *Ding-Xiong Wang, Wei-Hua Lei, and Yong-Chun Ye*. 643, 1047 (2006)
- WANG, HAIMIN. See REN, DEQING, et al. Spectral Subtraction: A New Approach to Remove Low- and High-Order Speckle Noise. 640, 530 (2006)
- See XU, YAN, et al. High-Resolution Observations of Multiwavelength Emissions during Two X-Class White-Light Flares. 641, 1210 (2006)
- See LIU, CHANG, et al. Large-Scale Activities Associated with the 2003 October 29 X10 Flare. 642, 1205 (2006)
- See JING, JU, et al. The Statistical Relationship between the Photospheric Magnetic Parameters and the Flare Productivity of Active Regions. 644, 1273 (2006)
- See DENG, NA, et al. Multiwavelength Study of Flow Fields in Flaring Super Active Region NOAA 10486. 644, 1278 (2006)
- See ZHANG, JUN, et al. Comparison of Magnetic Flux Distribution between a Coronal Hole and a Quiet Region. 649, 464 (2006)
- Rapid Changes of Photospheric Magnetic Fields around Flaring Magnetic Neutral Lines. *Haimin Wang*. 649, 490 (2006)
- See JING, JU, et al. Erratum: "The Statistical Relationship between the Photospheric Magnetic Parameters and the Flare Productivity of Active Regions" (ApJ, 644, 1273 [2006]). 652, 1796 (2006)
- See JI, HAISHENG, et al. Converging Motion of H α Conjugate Kernels: The Signature of Fast Relaxation of a Sheared Magnetic Field. 636, L173 (2006)
- WANG, HAIYAN. See SZCZEPANSKI, JAN, et al. Infrared Spectroscopy of Gas-Phase Complexes of Fe⁺ and Polycyclic Aromatic Hydrocarbon Molecules. 646, 666 (2006)
- WANG, HONGCHI. A Search for Optical Outflows from Brown Dwarfs in the Chamaeleon I Molecular Cloud. *Hongchi Wang and Thomas Henning*. 643, 985 (2006)
- WANG, HUIYUAN. See ZHOU, HONGYAN, et al. Polar Outflows in Six Broad Absorption Line Quasars. 639, 716 (2006)
- WANG, J. A Sample of IRAS Infrared-selected Seyfert 1.5 Galaxies: Infrared Color $\alpha(60, 25)$ -dominated Eigenvector 1. *J. Wang, J. Y. Wei, and X. T. He*. 638, 106 (2006)
- Evolutionary Implications from SDSS J085338.27+033246.1: A Spectacular Narrow-Line Seyfert 1 Galaxy with Young Poststarburst. *J. Wang and J. Y. Wei*. 648, 158 (2006)
- WANG, J. L. Luminous Infrared Galaxies in the Local Universe. *J. L. Wang, X. Y. Xia, S. Mao, C. Cao, Hong Wu, and Z. G. Deng*. 649, 722 (2006)
- WANG, J. X. See ZHANG, Y. Z., et al. Two-Current-Sheet Reconnection Model of Interdependent Flare and Coronal Mass Ejection. 641, 572 (2006)
- See JIANG, P., et al. On the X-Ray Baldwin Effect for Narrow Fe K α Emission Lines. 644, 725 (2006)
- See ZHOU, G. P., et al. Two Successive Coronal Mass Ejections Driven by the Kink and Drainage Instabilities of an Eruptive Prominence. 651, 1238 (2006)
- On the Fraction of X-Ray-obscured Quasars in the Local Universe. *J. X. Wang and P. Jiang*. 646, L103 (2006)
- WANG, JIAN-MIN. See ZHANG, EN-PENG, et al. The Unified Model of Active Galactic Nuclei. I. Non-Hidden Broad-Line Region Seyfert 2 and Narrow-Line Seyfert 1 Galaxies. 653, 137 (2006)
- Feedback Limits Rapid Growth of Seed Black Holes at High Redshift. *Jian-Min Wang, Yan-Mei Chen, and Chen Hu*. 637, L85 (2006)
- Evidence for Rapidly Spinning Black Holes in Quasars. *Jian-Min Wang, Yan-Mei Chen, Luis C. Ho, and Ross J. McLure*. 642, L111 (2006)
- Cosmological Evolution of the Duty Cycle of Quasars. *Jian-Min Wang, Yan-Mei Chen, and Fan Zhang*. 647, L17 (2006)
- WANG, JINGXIU. See WANG, YUMING, et al. A Study of the Orientation of Interplanetary Magnetic Clouds and Solar Filaments. 651, 1245 (2006)
- See SONG, WENBIN, et al. Large-Scale Solar Cycle Features of Photospheric Magnetic Flux. 643, L69 (2006)
- WANG, JUNXIAN. See ZHOU, HONGYAN, et al. A Comprehensive Study of 2000 Narrow Line Seyfert 1 Galaxies from the Sloan Digital Sky Survey. I. The Sample. 166, 128 (2006)
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- WANG, L. See CONLEY, A., et al. Measurement of Ω_m , Ω_Λ from a Blind Analysis of Type Ia Supernovae with CMAGIC: Using Color Information to Verify the Acceleration of the Universe. 644, 1 (2006)
- See PICK, M., et al. Solar Source Regions for 'He-rich Solar Energetic Particle Events Identified Using Imaging Radio, Optical, and Energetic Particle Observations. 648, 1247 (2006)
- See ALDERING, G., et al. Nearby Supernova Factory Observations of SN 2005gj: Another Type Ia Supernova in a Massive Circumstellar Envelope. 650, 510 (2006)
- WANG, LIFAN. Nonlinear Decline-Rate Dependence and Intrinsic Variation of Type Ia Supernova Luminosities. *Lifan Wang, Mark Strovink, Alexander Conley, Gerson Goldhaber, Marek Kowalski, Saul Perlmutter, and James Siegrist*. 641, 50 (2006)
- See HENG, KEVIN, et al. Evolution of the Reverse Shock Emission from SNR 1987A. 644, 959 (2006)
- See WANG, XIAOFENG, et al. Determination of the Hubble Constant, the Intrinsic Scatter of Luminosities of Type Ia Supernovae, and Evidence for Nonstandard Dust in Other Galaxies. 645, 488 (2006)
- Premaximum Spectropolarimetry of the Type Ia SN 2004dt. *Lifan Wang, Dietrich Baade, Peter Höflich, J. Craig Wheeler, Koji Kawabata, Alexei Khokhlov, Ken'ichi Nomoto, and Ferdinando Patat*. 653, 490 (2006)
- WANG, PENG. Virialization in Dark Energy Cosmology. *Peng Wang*. 640, 18 (2006)
- WANG, Q. D. See MUNO, M. P., et al. A *Chandra* Catalog of X-Ray Sources in the Central 150 pc of the Galaxy. 165, 173 (2006)
- See MIDDLEDITCH, J., et al. Predicting the Starquakes in PSR J0537-6910. 652, 1531 (2006)
- WANG, Q. DANIEL. See RAMSEY, CAITLIN J., et al. An Optical Study of Stellar and Interstellar Environments of Seven Luminous and Ultraluminous X-Ray Sources. 641, 241 (2006)
- See YAO, YANGSEN, et al. X-Ray Absorption Spectroscopy of the Multiphase Interstellar Medium: Oxygen and Neon Abundances. 641, 930 (2006)
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- See YAO, YANGSEN, et al. *Chandra* Detection of Fe XVII in Absorption: Iron Abundance in the Hot Gaseous Interstellar Medium. 653, L121 (2006)
- WANG, RAN. The Black Hole Fundamental Plane from a Uniform Sample of Radio and X-Ray-emitting Broad-Line AGNs. *Ran Wang, Xue-Bing Wu, and Min-Zhi Kong*. 645, 890 (2006)
- WANG, S. See LU, Q. M., et al. The Nearly Isotropic Velocity Distributions of Energetic Electrons in the Solar Wind. 638, 1169 (2006)
- See SHEN, CHENGLONG, et al. Is There Any Evident Effect of Coronal Holes on Gradual Solar Energetic Particle Events? 639, 510 (2006)
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- WANG, SHENG. See YOUNGER, JOSHUA D., et al. Breaking Cosmological Degeneracies in Galaxy Cluster Surveys with a Physical Model of Cluster Structure. 653, 27 (2006)
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- WANG, T. G. See JIANG, P., et al. On the X-Ray Baldwin Effect for Narrow Fe K α Emission Lines. 644, 725 (2006)
- WANG, TINGGUI. See ZHOU, HONGYAN, et al. A Comprehensive Study of 2000 Narrow Line Seyfert 1 Galaxies from the Sloan Digital Sky Survey. I. The Sample. 166, 128 (2006)
- See ZHOU, HONGYAN, et al. Polar Outflows in Six Broad Absorption Line Quasars. 639, 716 (2006)
- WANG, TING-GUI. Evidence for a Population of Beamed Radio-intermediate

- Quasars. *Ting-Gui Wang, Hong-Yan Zhou, Jun-Xian Wang, You-Jun Lu, and Yu Lu*. 645, 856 (2006)
- See CAO, XINWU, et al. A Physical Model for Active Galactic Nuclei with Double-peaked Broad Emission Lines. 652, 112 (2006)
- WANG, W. See CHENG, K. S., et al. Pulsar Wind Nebulae and the Nonthermal X-Ray Emission of Millisecond Pulsars. 641, 427 (2006)
- See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- WANG, W.-H. A Near-Infrared Analysis of the Submillimeter Background and the Cosmic Star-Formation History. *W.-H. Wang, L. L. Cowie, and A. J. Barger*. 647, 74 (2006)
- WANG, XIANG-YU. GeV–TeV and X-Ray Flares from Gamma-Ray Bursts. *Xiang-Yu Wang, Zhuo Li, and Peter Mészáros*. 641, L89 (2006)
- GeV Photons from the Upscattering of Supernova Shock Breakout X-Rays by an Outside Gamma-Ray Burst Jet. *Xiang-Yu Wang and Peter Mészáros*. 643, L95 (2006)
- WANG, XIAOFENG. Determination of the Hubble Constant, the Intrinsic Scatter of Luminosities of Type Ia Supernovae, and Evidence for Nonstandard Dust in Other Galaxies. *Xiaofeng Wang, Lifan Wang, Reynald Pain, Xu Zhou, and Zongwei Li*. 645, 488 (2006)
- WANG, XIAOMIN. Redshift Space 21 cm Power Spectra from Reionization. *Xiaomin Wang and Wayne Hu*. 643, 585 (2006)
- 21 cm Tomography with Foregrounds. *Xiaomin Wang, Max Tegmark, Mário G. Santos, and Lloyd Knox*. 650, 529 (2006)
- WANG, Y. J. See LI, AIGEN, et al. On the Unusual Depletions toward Sk 155, or What Are the Small Magellanic Cloud Dust Grains Made Of? 640, L151 (2006)
- WANG, Y. P. Modeling the Evolution of Dusty Starburst Galaxies in Multiband Deep Surveys. *Y. P. Wang*. 638, 138 (2006)
- WANG, Y.-G. Systematic Errors in the Determination of Hubble Constant due to the Asphericity and Nonisothermality of Clusters of Galaxies. *Y.-G. Wang and Z.-H. Fan*. 643, 630 (2006)
- WANG, Y.-M. Coronal Holes, Jets, and the Origin of ^3He -rich Particle Events. *Y.-M. Wang, M. Pick, and G. M. Mason*. 639, 495 (2006)
- Role of the Sun's Nonaxisymmetric Open Flux in Cosmic-Ray Modulation. *Y.-M. Wang, N. R. Sheeley, Jr., and A. P. Rouillard*. 644, 638 (2006)
- See PICK, M., et al. Solar Source Regions for ^3He -rich Solar Energetic Particle Events Identified Using Imaging Radio, Optical, and Energetic Particle Observations. 648, 1247 (2006)
- Observations of Flux Rope Formation in the Outer Corona. *Y.-M. Wang and N. R. Sheeley, Jr.*. 650, 1172 (2006)
- Sources of the Solar Wind at *Ulysses* during 1990–2006. *Y.-M. Wang and N. R. Sheeley, Jr.*. 653, 708 (2006)
- WANG, YANG. Water Masers Associated with Infrared Dark Cloud Cores. *Yang Wang, Qizhou Zhang, Jill M. Rathborne, James Jackson, and Yuefang Wu*. 651, L125 (2006)
- WANG, YUMING. See SHEN, CHENGLONG, et al. Is There Any Evident Effect of Coronal Holes on Gradual Solar Energetic Particle Events? 639, 510 (2006)
- Impact of Major Coronal Mass Ejections on Geospace during 2005 September 7–13. *Yuming Wang, Xianghui Xue, Chenglong Shen, Pinzhong Ye, S. Wang, and Jie Zhang*. 646, 625 (2006)
- A Study of the Orientation of Interplanetary Magnetic Clouds and Solar Filaments. *Yuming Wang, Guiping Zhou, Pinzhong Ye, S. Wang, and Jingxiu Wang*. 651, 1245 (2006)
- WANG, YUN. Dark Energy Constraints from Baryon Acoustic Oscillations. *Yun Wang*. 647, 1 (2006)
- Robust Dark Energy Constraints from Supernovae, Galaxy Clustering, and 3 yr *Wilkinson Microwave Anisotropy Probe* Observations. *Yun Wang and Pia Mukherjee*. 650, 1 (2006)
- WANG, Z. See SNUDERS, L., et al. Subarcsecond Resolution Mid-Infrared Observations of Super Star Clusters in the Antennae (NGC 4038/4039). 648, L25 (2006)
- WARD, M. J. See KILGARD, R. E., et al. Erratum: "A *Chandra* Survey of Nearby Spiral Galaxies. I. Point Source Catalogs" (*ApJS*, 159, 214 [2005]). 163, 424 (2006)
- WARD, WILLIAM R. The Oblquity of Jupiter. *William R. Ward and Robin M. Camp*. 640, L91 (2006)
- WARDLE, J. F. C. See SAMBRUNA, RITA M., et al. Deep *Chandra* and Multicolor *HST* Follow-up of the Jets in Two Powerful Radio Quasars. 641, 717 (2006)
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- WARDLE, M. See YUSEF-ZADEH, F., et al. A Multiwavelength Study of Sgr A*: The Role of Near-IR Flares in Production of X-Ray, Soft γ -Ray, and Submillimeter Emission. 644, 198 (2006)
- See YUSEF-ZADEH, F., et al. Flaring Activity of Sagittarius A* at 43 and 22 GHz: Evidence for Expanding Hot Plasma. 650, 189 (2006)
- See HEWITT, J. W., et al. Green Bank Telescope Observations of IC 443: The Nature of OH (1720 MHz) Masers and OH Absorption. 652, 1288 (2006)
- WARGELIN, BRADFORD J. See PARK, TAEYOUNG, et al. Bayesian Estimation of Hardness Ratios: Modeling and Computations. 652, 610 (2006)
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- WARREN, H. P. See SHEELEY, JR., N. R., et al. Carrington Maps of the Upper Photosphere. 641, 611 (2006)
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- Multithread Hydrodynamic Modeling of a Solar Flare. *Harry P. Warren*. 637, 522 (2006)
- See UGARTE-URRA, IGNACIO, et al. An Investigation into the Variability of Heating in a Solar Active Region. 643, 1245 (2006)
- Hydrostatic Modeling of the Integrated Soft X-Ray and Extreme Ultraviolet Emission in Solar Active Regions. *Harry P. Warren and Amy R. Winebarger*. 645, 711 (2006)
- WARREN, JESSICA S. See HUGHES, JOHN P., et al. The *Chandra* View of the Supernova Remnant 0506–68.0 in the Large Magellanic Cloud. 645, L117 (2006)
- WARREN, MICHAEL S. See BERLIND, ANDREAS A., et al. Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. 167, 1 (2006)
- See FRYER, CHRISTOPHER L., et al. SNSPH: A Parallel Three-dimensional Smoothed Particle Radiation Hydrodynamics Code. 643, 292 (2006)
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- Precision Determination of the Mass Function of Dark Matter Halos. *Michael S. Warren, Kevork Abazajian, Daniel E. Holz, and Luis Teodoro*. 646, 881 (2006)
- See TINKER, JEREMY L., et al. Cosmic Voids and Galaxy Bias in the Halo Occupation Framework. 647, 737 (2006)
- WARREN, STEVEN R. The Blue Straggler Population of the Globular Cluster M5: Comparison with M3. *Steven R. Warren, Eric L. Sandquist, and Michael Bolte*. 648, 1026 (2006)
- WASHBURN, K. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
- See SWANSON, M. E. C., et al. Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High-Energy Upward-going Muons in Super-Kamiokande I. 652, 206 (2006)
- WASKOWSKI, D. See GIBB, E. L., et al. Post-Outburst Infrared Spectra of V1647 Ori, the Illuminating Star of McNeil's Nebula. 641, 383 (2006)
- WASSELL, E. J. An Asymmetric Outflow from the Herbig Ae Star HD 163296. *E. J. Wassell, C. A. Grady, B. Woodgate, R. A. Kimble, and F. C. Bruhweiler*. 650, 985 (2006)
- WASSELL, EDWARD. See KULKARNI, VARSHA P., et al. A Fabry–Pérot Imaging Search for Ly α Emission in Quasar Absorbers at $z \sim 2.4$. 636, 30 (2006)
- WASSERBURG, G. J. See HSU, WEIBAO, et al. A Late Episode of Irradiation in the Early Solar System: Evidence from Extinct ^{36}Cl and ^{26}Al in Meteorites. 640, 525 (2006)
- WASSERMAN, IRA. See CHANG, PHILIP, et al. Rotational Broadening of Atomic Spectral Features from Neutron Stars. 636, L117 (2006)
- WASSERMAN, L. See FREEMAN, P. E., et al. Examining the Effect of the Mapping Algorithm on Observed Power Asymmetry in *WMAP* Data. 638, 1 (2006)
- WATANABE, J. See KASUGA, T., et al. Metallic Abundances of 2002 Leonid Meteoroids in Two Dust Trails Formed in Different Epochs: No Evidence of Solar Heating Effect. 638, 1176 (2006)
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- WATANABE, K. Solar Neutron Events of 2003 October–November. *K. Watanabe, M. Gros, P. H. Stoker, K. Kudela, C. Lopate, J. F. Valdés-Galicia, A. Hurtado, O. Musalem, R. Ogasawara, Y. Mizumoto, M.*

- Nakagiri, A. Miyashita, Y. Matsubara, T. Sako, Y. Muraki, T. Sakai, and S. Shibata. 636, 1135 (2006)
- See TEEGARDEN, B. J., et al. A Comprehensive Search for Gamma-Ray Lines in the First Year of Data from the *INTEGRAL* Spectrometer. 646, 965 (2006)
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- WATANABE, SHIN. X-Ray Spectral Study of the Photoionized Stellar Wind in Vela X-1. *Shin Watanabe, Masao Sako, Manabu Ishida, Yoshitaka Ishisaki, Steven M. Kahn, Takayoshi Kohmura, Fumiaki Nagase, Frederik Paerels, and Tadayuki Takahashi*. 651, 421 (2006)
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- WATARAI, KEN-YA. New Analytical Formulae for Supercritical Accretion Flows. *Ken-ya Watarai*. 648, 523 (2006)
- WATERS, CHRISTOPHER Z. Luminosity Function of Faint Globular Clusters in M87. *Christopher Z. Waters, Stephen E. Zepf, Tod R. Lauer, Edward A. Baltz, and Joseph Silk*. 650, 885 (2006)
- WATERS, L. B. F. M. See MATSUURA, M., et al. The Compact Circumstellar Material around OH 231.8+4.2. 646, L123 (2006)
- See BOUWMAN, J., et al. Binarity as a Key Factor in Protoplanetary Disk Evolution: *Spitzer* Disk Census of the η Chamaeleontis Cluster. 653, L57 (2006)
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- The Soft X-Ray Blast in the Apparently Subluminous GRB 031203. *D. Watson, S. A. Vaughan, R. Willingale, J. Hjorth, S. Foley, J. P. U. Fynbo, P. Jakobsson, A. Levan, P. T. O'Brien, J. P. Osborne, K. Pedersen, J. N. Reeves, J. A. Tedds, and M. G. Watson*. 636, 967 (2006)
- A $\log N_{H1} = 22.6$ Damped Ly α Absorber in a Dark Gamma-Ray Burst: The Environment of GRB 050401. *D. Watson, J. P. U. Fynbo, C. Ledoux, P. Vreeswijk, J. Hjorth, A. Smette, A. C. Andersen, K. Aoki, T. Augusteijn, A. P. Beardmore, D. Bersier, J. M. Castro Cerón, P. D'Avanzo, D. Diaz-Fraile, J. Gorosabel, P. Hirst, P. Jakobsson, B. L. Jensen, N. Kawai, G. Kosugi, P. Laursen, A. Levan, J. Masegosa, J. Näränen, K. L. Page, K. Pedersen, A. Pozanenko, J. N. Reeves, V. Rumyantsev, T. Shahbaz, D. Sharapov, J. Sollerman, R. L. C. Starling, N. Tanvir, K. Torstensson, and K. Wiersema*. 652, 1011 (2006)
- Outshining the Quasars at Reionization: The X-Ray Spectrum and Light Curve of the Redshift 6.29 Gamma-Ray Burst GRB 050904. *D. Watson, J. N. Reeves, J. Hjorth, J. P. U. Fynbo, P. Jakobsson, K. Pedersen, J. Sollerman, J. M. Castro Cerón, S. McBreen, and S. Foley*. 637, L69 (2006)
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- See CHEN, C. H., et al. *Spitzer* IRS Spectroscopy of *IRAS*-discovered Debris Disks. 166, 351 (2006)
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- WATSON, DAN M. See NEUFELD, DAVID A., et al. *Spitzer* Observations of HH 54 and HH 7-11: Mapping the H₂ Ortho-to-Para Ratio in Shocked Molecular Gas. 649, 816 (2006)
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- WATSON, P. G. See MELROSE, D. B., et al. Scintillation of Radio Sources: The Role of Caustics. 647, 1131 (2006)
- Scintillation of Radio Sources: The Signature of a Caustic. *P. G. Watson and D. B. Melrose*. 647, 1142 (2006)
- WATSON, R. A. See BATTISTELLI, E. S., et al. Millimeter Observation of the SZ Effect in the Corona Borealis Supercluster. 645, 826 (2006)
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- WAXMAN, ELI. See PE'ER, ASAF, et al. Erratum: "High-Energy Photon Emission in the Early Afterglow of GRBs" (*ApJ*, 633, 1018 [2005]). 638, 1187 (2006)
- See GAL-YAM, AVISHAY, et al. Radio and Optical Follow-up Observations of a Uniform Radio Transient Search: Implications for Gamma-Ray Bursts and Supernovae. 639, 331 (2006)
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- WAY, M. J. Novel Methods for Predicting Photometric Redshifts from Broadband Photometry Using Virtual Sensors. *M. J. Way and A. N. Srivastava*. 647, 102 (2006)
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- Compound and Perpendicular Diffusion of Cosmic Rays and Random Walk of the Field Lines. I. Parallel Particle Transport Models. *G. M. Webb, G. P. Zank, E. Kh. Kaghshvili, and J. A. le Roux*. 651, 211 (2006)
- WEBB, T. See VAN DOKKUM, P. G., et al. The Space Density and Colors of Massive Galaxies at $2 < z < 3$: The Predominance of Distant Red Galaxies. 638, L59 (2006)
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- WEBB, TRACY M. A. Star Formation in Distant Red Galaxies: *Spitzer* Observations in the Hubble Deep Field-South. *Tracy M. A. Webb, Pieter*

- van Dokkum, Eiichi Egami, Giovanni Fazio, Marijn Franx, Eric Gawiser, David Herrera, Jiasheng Huang, Ivo Labbé, Paulina Lira, Danilo Marchesini, José Maca, Ryan Quadri, Gregory Rudnick, and Paul van der Werf. 636, L17 (2006)
- WEBSTER, R. L. See MEURER, GERHARDT R., et al. The Survey for Ionization in Neutral Gas Galaxies. I. Description and Initial Results. 165, 307 (2006)
- See HANISH, D. J., et al. The Survey for Ionization in Neutral Gas Galaxies. II. The Star Formation Rate Density of the Local Universe. 649, 150 (2006)
- WECHAKAMA, M. See RUFFOLO, D., et al. Relativistic Solar Protons on 1989 October 22: Injection and Transport along Both Legs of a Closed Interplanetary Magnetic Loop. 639, 1186 (2006)
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- The Dependence of Halo Clustering on Halo Formation History, Concentration, and Occupation. *Risa H. Wechsler, Andrew R. Zentner, James S. Bullock, Andrey V. Kravtsov, and Brandon Allgood.* 652, 71 (2006)
- WEEDMAN, D. See BORYS, C., et al. MIPS J142824.0+352619: A Hyperluminous Starburst Galaxy at $z = 1.325$. 636, 134 (2006)
- See BRAND, K., et al. The Active Galactic Nuclei Contribution to the Mid-Infrared Emission of Luminous Infrared Galaxies. 644, 143 (2006)
- Active Galactic Nucleus and Starburst Classification from *Spitzer* Mid-Infrared Spectra for High-Redshift SWIRE Sources. *D. Weedman, M. Polletta, C. J. Lonsdale, B. J. Wilkes, B. Siana, J. R. Houck, J. Surace, D. Shupe, D. Farrah, and H. E. Smith.* 653, 101 (2006)
- WEEDMAN, D. W. Redshifts from *Spitzer* Spectra for Optically Faint Radio-selected Infrared Sources. *D. W. Weedman, E. Le Floc'h, S. J. U. Higdon, J. L. Higdon, and J. R. Houck.* 638, 613 (2006)
- See DESAI, V., et al. IRS Spectra of Two Ultraluminous Infrared Galaxies at $z = 1.3$. 641, 133 (2006)
- Spitzer* IRS Spectra of Optically Faint Infrared Sources with Weak Spectral Features. *D. W. Weedman, B. T. Soifer, Lei Hao, J. L. Higdon, S. J. U. Higdon, J. R. Houck, E. Le Floc'h, M. J. I. Brown, A. Dey, B. T. Jannuzi, M. Rieke, V. Desai, C. Bian, D. Thompson, L. Armus, H. Teplitz, P. Eisenhardt, and S. P. Willner.* 651, 101 (2006)
- See BRANDL, B. R., et al. The Mid-Infrared Properties of Starburst Galaxies from *Spitzer*-IRS Spectroscopy. 653, 1129 (2006)
- WEEDMAN, DAN. See BROWN, MICHAEL J. L., et al. The $1 < z < 5$ Infrared Luminosity Function of Type I Quasars. 638, 88 (2006)
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- WEHNER, ELIZABETH H. From Supermassive Black Holes to Dwarf Elliptical Nuclei: A Mass Continuum. *Elizabeth H. Wehner and William E. Harris.* 644, L17 (2006)
- WEI, D. M. The Optical Flare and Afterglow Light Curve of GRB 050904 at Redshift $z = 6.29$. *D. M. Wei, T. Yan, and Y. Z. Fan.* 636, L69 (2006)
- See CHEN, S. L., et al. Dust Extinction of Gamma-Ray Burst Host Galaxies: Identification of Two Classes? 647, L13 (2006)
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- See WANG, J., et al. Evolutionary Implications from SDSS J085338.27+033246.1: A Spectacular Narrow-Line Seyfert 1 Galaxy with Young Poststarburst. 648, 158 (2006)
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- See BERLIND, ANDREAS A., et al. Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. 167, 1 (2006)
- See YANG, YUJIN, et al. Probing Galaxy Formation with He II Cooling Lines. 640, 539 (2006)
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- Hydrodynamic Thermonuclear Runaways in Superbursts. *Nevin N. Weinberg, Lars Bildsten, and Edward F. Brown.* 650, L119 (2006)
- WEINBERG, A. J. See DEBES, J. H., et al. Detection of a Variable Infrared Excess around SDSS J121209.31+013627.7. 647, L147 (2006)
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- A Survey of Galaxy Kinematics to $z \sim 1$ in the TKRS/GOODS-N Field. I. Rotation and Dispersion Properties. *Benjamin J. Weiner, Christopher N. A. Willmer, S. M. Faber, Jason Melbourne, Susan A. Kassin, Andrew C. Phillips, Justin Harker, A. J. Metevier, N. P. Vogt, and D. C. Koo.* 653, 1027 (2006)
- A Survey of Galaxy Kinematics to $z \sim 1$ in the TKRS/GOODS-N Field. II. Evolution in the Tully-Fisher Relation. *Benjamin J. Weiner, Christopher N. A. Willmer, S. M. Faber, Justin Harker, Susan A. Kassin, Andrew C. Phillips, Jason Melbourne, A. J. Metevier, N. P. Vogt, and D. C. Koo.* 653, 1049 (2006)
- See HARKER, JUSTIN J., et al. Population Synthesis Models for Late Buildup of the Red Sequence. 647, L103 (2006)
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- WEINER, J. The Asymmetric Dust Environment of IK Tauri. *J. Weiner, K. Tatebe, D. D. S. Hale, C. H. Townes, J. D. Monnier, M. Ireland, P. G. Tuthill, R. Cohen, R. K. Barry, J. Rajagopal, and W. C. Danchi.* 636, 1067 (2006)
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- On the Disalignment of Interstellar Grains. *Joseph C. Weingartner.* 647, 390 (2006)
- WEINTRAUB, DAVID A. See KASTNER, JOEL H., et al. V1647 Orionis: The X-Ray Evolution of a Pre-Main-Sequence Accretion Burst. 648, L43 (2006)
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- See RIECHERS, DOMINIK A., et al. CO(1-0) in $z \approx 4$ Quasar Host Galaxies: No Evidence for Extended Molecular Gas Reservoirs. 650, 604 (2006)
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- See SAIO, H., et al. MOST Detects g - and p -Modes in the B Supergiant HD 163899 (B2 Ib/II). 650, 1111 (2006)
- See AERTS, C., et al. Discovery of the New Slowly Pulsating B Star HD 163830 (B5 II/III) from MOST Space-based Photometry. 642, L165 (2006)
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- A Search for the X-Ray Counterpart of the Unidentified γ -Ray Source 3EG J2020+4017 (2CG078+2). *Martin C. Weisskopf, Douglas A. Swartz, Alberto Carramiñana, Luis Carrasco, David L. Kaplan, Werner Becker, Ronald F. Elsner, Gottfried Kanbach, Stephen L. O'Dell, and Allyn F. Tennant*. 652, 387 (2006)
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- WELSH, B. Y. See IGLESIAS-PÁRAMO, J., et al. Star Formation in the Nearby Universe: The Ultraviolet and Infrared Points of View. 164, 38 (2006)
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- WELTEVREDE, P. Is Pulsar B0656+14 a Very Nearby Rotating Radio Transient? *P. Weltevrede, B. W. Stappers, J. M. Rankin, and G. A. E. Wright*. 645, L149 (2006)
- WELTY, D. E. VLT UVES Observations of Interstellar Molecules and Diffuse Bands in the Magellanic Clouds. *D. E. Welty, S. R. Federman, R. Gredel, J. A. Thorburn, and D. L. Lambert*. 165, 138 (2006)
- WEN, LINQING. A Systematic Search for Periodicities in RXTE ASM Data. *Linqing Wen, Alan M. Levine, Robin H. D. Corbet, and Hale V. Bradt*. 163, 372 (2006)
- WENDELL, R. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- WENDLAND, J. See AHARMIM, B., et al. A Search for Neutrinos from the Solar hep Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- WERK, J. See MEURER, GERHARDT R., et al. The Survey for Ionization in Neutral Gas Galaxies. I. Description and Initial Results. 165, 307 (2006)
- WERK, J. K. See HANISH, D. J., et al. The Survey for Ionization in Neutral Gas Galaxies. II. The Star Formation Rate Density of the Local Universe. 649, 150 (2006)
- WERNER, M. See BROOKES, M. H., et al. Spitzer Observations of Centaurus A: Infrared Synchrotron Emission from the Northern Lobe. 646, L41 (2006)
- WERNER, M. W. See BRYDEN, G., et al. Frequency of Debris Disks around Solar-Type Stars: First Results from a Spitzer MIPS Survey. 636, 1098 (2006)
- See BEICHMAN, C. A., et al. IRS Spectra of Solar-Type Stars: A Search for Asteroid Belt Analogs. 639, 1166 (2006)
- See MARENGO, M., et al. A Spitzer IRAC Search for Substellar Companions of the Debris Disk Star ϵ Eridani. 647, 1437 (2006)
- See SHI, Y., et al. 9.7 μ m Silicate Features in Active Galactic Nuclei: New Insights into Unification Models. 653, 127 (2006)
- See SU, K. Y. L., et al. Debris Disk Evolution around A Stars. 653, 675 (2006)
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- WERNER, MICHAEL W. See QUILLLEN, ALICE C., et al. Spitzer Observations of the Dusty Warped Disk of Centaurus A. 645, 1092 (2006)
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- WEST, E. A. See ABBAS, M. M., et al. Photoelectric Emission Measurements on the Analogs of Individual Cosmic Dust Grains. 645, 324 (2006)
- WEST, MICHAEL J. See FERRARESE, LAURA, et al. The ACS Virgo Cluster Survey. VI. Isophotal Analysis and the Structure of Early-Type Galaxies. 164, 334 (2006)
- See CÔTÉ, PATRICK, et al. The ACS Virgo Cluster Survey. VIII. The Nuclei of Early-Type Galaxies. 165, 57 (2006)
- See PENG, ERIC W., et al. The ACS Virgo Cluster Survey. IX. The Color Distributions of Globular Cluster Systems in Early-Type Galaxies. 639, 95 (2006)
- See PENG, ERIC W., et al. The ACS Virgo Cluster Survey. XI. The Nature of Diffuse Star Clusters in Early-Type Galaxies. 639, 838 (2006)
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- WEYMANN, RAY J. See WILLIGER, GERARD M., et al. The Low-Redshift Ly α Forest toward PKS 0405-123. 636, 631 (2006)
- WHALEN, DANIEL. A Multistep Algorithm for the Radiation Hydrodynamical Transport of Cosmological Ionization Fronts and Ionized Flows. *Daniel Whalen and Michael L. Norman*. 162, 281 (2006)
- WHEATLAND, M. S. An Improved Virial Estimate of Solar Active Region Energy. *M. S. Wheatland and Thomas R. Metcalf*. 636, 1151 (2006)
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- WHEELER, J. CRAIG. See QUIMBY, ROBERT, et al. SN 2005cg: Explosion Physics and Circumstellar Interaction of a Normal Type Ia Supernova in a Low-Luminosity Host. 636, 400 (2006)
- See WANG, LIFAN, et al. Premaximum Spectropolarimetry of the Type Ia SN 2004dt. 653, 490 (2006)
- See KOTAK, RUBINA, et al. *Spitzer* Measurements of Atomic and Molecular Abundances in the Type IIP SN 2005af. 651, L117 (2006)
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- See JEE, M. J., et al. Weak-lensing Detection at $z \sim 1.3$: Measurement of the Two Lynx Clusters with the Advanced Camera for Surveys. 642, 720 (2006)
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- WHITE, RICHARD L. See GLIKMAN, EILAT, et al. A Near-Infrared Spectral Template for Quasars. 640, 579 (2006)
- See MCGREER, IAN D., et al. Discovery of a $z = 6.1$ Radio-Loud Quasar in the NOAO Deep Wide Field Survey. 652, 157 (2006)
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- See CHANDAR, RUPALI, et al. Connection between the Age Distributions of Star Clusters and Field Stars: A First Application to the Small Magellanic Cloud. 650, L111 (2006)
- WHITNEY, B. A. See INDEBETOUW, R., et al. Three-dimensional Models of Embedded High-Mass Stars: Effects of a Clumpy Circumstellar Medium. 636, 362 (2006)
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- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
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- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
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- COLLISA Experiment on the *Mir* Space Station—Improved Isotope Analysis by In Vacuo Etching. 639, 246 (2006)
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- WIERSEMA, K. See WATSON, D., et al. A $\log N_{\text{H}} = 22.6$ Damped Ly α Absorber in a Dark Gamma-Ray Burst: The Environment of GRB 050401. 652, 1011 (2006)
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- WIJK, KAJ. See SAVOLAINEN, TUOMAS, et al. An Extremely Curved Relativistic Jet in PKS 2136+141. 647, 172 (2006)
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- WIJERS, R. A. M. J. See GRANOT, J., et al. Diagnosing the Outflow from the SGR 1806–20 Giant Flare with Radio Observations. 638, 391 (2006)
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- WILKES, R. J. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- WILLIAMS, BENJAMIN F. A Soft X-Ray Transient in the M31 Bulge. *Benjamin F. Williams, Michael R. Garcia, Jeffrey E. McClintock, Frank A. Primini, and Stephen S. Murray*. 637, 479 (2006)
- A Catalog of Transient X-Ray Sources in M31. *Benjamin F. Williams, S. Naik, Michael R. Garcia, and Paul J. Callanan*. 643, 356 (2006)
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- Variations in the Wind-swept Medium of GRB 021211 and the Faintness of Its Afterglow. 651, 994 (2006)
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- A Hot DQ White Dwarf in the Open Star Cluster M35. *Kurtis A. Williams, James Liebert, Michael Bolte, and Robert B. Hanson*. 643, L127 (2006)
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- WILLIAMS, PETER K. G. Resolving the Surfaces of Extrasolar Planets with Secondary Eclipse Light Curves. *Peter K. G. Williams, David Charbonneau, Curtis S. Cooper, Adam P. Showman, and Jonathan J. Fortney*. 649, 1020 (2006)
- WILLIAMS, R. E. See LYNCH, D. K., et al. Early Infrared Spectral Development of V1187 Scorpii (Nova Scorpii 2004 No. 2). 638, 987 (2006)
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- WILLIAMS, RIK J. *Chandra* Detection of Local Warm-Hot Gas toward Markarian 279. *Rik J. Williams, Smita Mathur, and Fabrizio Nicastro*. 645, 179 (2006)
- XMM-Newton* View of the $z > 0$ Warm-Hot Intergalactic Medium toward Markarian 421. *Rik J. Williams, Smita Mathur, Fabrizio Nicastro, and Martin Elvis*. 642, L95 (2006)
- WILLIAMS, ROSA M. See RAMSEY, CAITLIN J., et al. An Optical Study of Stellar and Interstellar Environments of Seven Luminous and Ultraluminous X-Ray Sources. 641, 241 (2006)
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- WILLIGER, GERARD M. The Low-Redshift Ly α Forest toward PKS 0405-123. *Gerard M. Williger, Sara R. Heap, Ray J. Weymann, Romeel Davé, Erica Ellingson, Robert F. Carswell, Todd M. Tripp, and Edward B. Jenkins*. 636, 631 (2006)
- See LINSKY, JEFFREY L., et al. What Is the Total Deuterium Abundance in the Local Galactic Disk? 647, 1106 (2006)
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- WILLINGALE, R. See WATSON, D., et al. The Soft X-Ray Blast in the Apparently Subluminous GRB 031203. 636, 967 (2006)
- See VAUGHAN, S., et al. The Dust-scattered X-Ray Halo around *Swift* GRB 050724. 639, 323 (2006)
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- Swift* X-Ray Telescope Observations of the Deep Impact Collision. *R. Willingale, P. T. O'Brien, S. W. H. Cowley, G. H. Jones, D. J. McComas, K. O. Mason, J. P. Osborne, A. Wells, M. Chester, S. Hunsberger, D. N. Burrows, N. Gehrels, J. A. Nousek, L. Angelini, L. R. Cominsky, S. L. Snowden, and G. Chincarini*. 649, 541 (2006)
- WILLIS, D. R. See BIRD, A. J., et al. The Second IBIS/ISGRI Soft Gamma-Ray Survey Catalog. 636, 765 (2006)
- WILLMAN, B. See ZUCKER, D. B., et al. A New Milky Way Dwarf Satellite in Canes Venatici. 643, L103 (2006)
- See BELOKUROV, V., et al. A Faint New Milky Way Satellite in Bootes. 647, L111 (2006)
- See ZUCKER, D. B., et al. A Curious Milky Way Satellite in Ursa Major. 650, L41 (2006)
- WILLMARTH, DARYL. See ABT, HELMUT A., et al. The Secondaries of Solar-Type Primaries. I. The Radial Velocities. 162, 207 (2006)
- WILLMER, C. N. A. The Deep Evolutionary Exploratory Probe 2 Galaxy Redshift Survey: The Galaxy Luminosity Function to $z \sim 1$. *C. N. A. Willmer, S. M. Faber, D. C. Koo, B. J. Weiner, J. A. Newman, A. L. Coil, A. J. Connolly, C. Conroy, M. C. Cooper, M. Davis, D. P. Finkbeiner, B. F. Gerke, P. Guhathakurta, J. Harker, N. Kaiser, S. Kassin, N. P. Konidaris, L. Lin, G. Luppino, D. S. Madgwick, K. G. Noeske, A. C. Phillips, and R. Yan*. 647, 853 (2006)
- See NOESKE, K. G., et al. Luminous Compact Blue Galaxies up to $z \sim 1$ in the *Hubble Space Telescope* Ultra Deep Field. I. Small Galaxies or Blue Centers of Massive Disks? 640, L143 (2006)
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- See ALONSO-HERRERO, A., et al. Infrared Power-Law Galaxies in the *Chandra* Deep Field-South: Active Galactic Nuclei and Ultraluminous Infrared Galaxies. 640, 167 (2006)
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- WILLS, B. J. See MILLER, B. P., et al. X-Ray Absorption and an X-Ray Jet in the Radio-loud Broad Absorption-line Quasar PG 1004+130. 652, 163 (2006)
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- WILLS-DAVEY, M. J. Tracking Large-Scale Propagating Coronal Wave Fronts (EIT Waves) using Automated Methods. *M. J. Wills-Davey*. 645, 757 (2006)
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- WILMOT-SMITH, A. L. A Time Delay Model for Solar and Stellar Dynamos. *A. L. Wilmot-Smith, D. Nandy, G. Hornig, and P. C. H. Martens*. 652, 696 (2006)

- WILMS, JÖRN. See ROTHSCCHILD, RICHARD E., et al. *INTEGRAL* and *RXTE* Observations of Centaurus A. 641, 801 (2006)
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- See REID, MICHAEL A., et al. High-Mass Star Formation. III. The Functional Form of the Submillimeter Clump Mass Function. 650, 970 (2006)
- WILSON, COLLEEN A. See GÖĞÜŞ, ERSIN, et al. Erratum: "Chandra Localization of XTE J1906+090 and Discovery of Its Optical and Infrared Counterparts" (ApJ, 632, 1069 [2005]). 637, 553 (2006)
- WILSON, G. See CHOI, P. I., et al. Star Formation Rates and Extinction Properties of IR-luminous Galaxies in the *Spitzer* First Look Survey. 637, 227 (2006)
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- WINCKLER, N. Lanthanum: An *s*- and *r*-Process Indicator. N. Winckler, S. Dababneh, M. Heil, F. Käppeler, R. Gallino, and M. Pignatari. 647, 685 (2006)
- WINDHORST, R. A. See FOMALONT, E. B., et al. The Radio/Optical Catalog of the SSA 13 Field. 167, 103 (2006)
- See PASQUALI, A., et al. The Structure and Star Formation History of Early-Type Galaxies in the Ultra Deep Field/GRAPES Survey. 636, 115 (2006)
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- WINGET, D. E. See MUKADAM, ANJUM S., et al. Ensemble Characteristics of the ZZ Ceti Stars. 640, 956 (2006)
- See KILIC, MUKREMIN, et al. The Mystery Deepens: *Spitzer* Observations of Cool White Dwarfs. 642, 1051 (2006)
- See VON HIPPEL, TED, et al. Inverting Color-Magnitude Diagrams to Access Precise Star Cluster Parameters: A Bayesian Approach. 645, 1436 (2006)
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- See BAZZANO, A., et al. *INTEGRAL* IBIS Census of the Sky Beyond 100 keV. 649, L9 (2006)
- WINKLER, P. FRANK. See MORSE, JON A., et al. *Hubble Space Telescope* Observations of Oxygen-rich Supernova Remnants in the Magellanic Clouds. III. WPC2 Imaging of the Young, Crab-like Supernova Remnant SNR 0540-69.3. 644, 188 (2006)
- See BORKOWSKI, KAZIMIERZ J., et al. Dust Destruction in Type Ia Supernova Remnants in the Large Magellanic Cloud. 642, L141 (2006)
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- The Orbit and Occultations of KH 15D. Joshua N. Winn, Catrina M. Hamilton, William J. Herbst, Jennifer L. Hoffman, Matthew J. Holman, John A. Johnson, and Marc J. Kuchner. 644, 510 (2006)
- See BOYCE, EDWARD R., et al. The Extragalactic Lens VLBI Imaging Survey (ELVIS). I. A Search for the Central Image in the Gravitational Lens PMN J1838-3427. 648, 73 (2006)
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- Measurement of the Spin-Orbit Alignment in the Exoplanetary System HD 189733. Joshua N. Winn, John Asher Johnson, Geoffrey W. Marcy, R. Paul Butler, Steven S. Vogt, Gregory W. Henry, Anna Roussanova, Matthew J. Holman, Keigo Enya, Norio Narita, Yasushi Suto, and Edwin L. Turner. 653, L69 (2006)
- WINNBERG, A. See HASEGAWA, T. I., et al. Observations of the Circumstellar Water $I_{10} \rightarrow I_{01}$ and Ammonia $1_0 \rightarrow 0_0$ Lines in IRC +10216 by the *Odin* Satellite. 637, 791 (2006)
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- WINTER, LISA M. *XMM-Newton* Archival Study of the Ultraluminous X-Ray Population in Nearby Galaxies. Lisa M. Winter, Richard F. Mushotzky, and Christopher S. Reynolds. 649, 730 (2006)
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- WISNIEWSKI, J. P. The Role of Evolutionary Age and Metallicity in the Formation of Classical Be Circumstellar Disks. I. New Candidate Be Stars in the LMC, SMC, and Milky Way. J. P. Wisniewski and K. S. Bjorkman. 652, 458 (2006)
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- See FREBEL, ANNA, et al. Bright Metal-poor Stars from the Hamburg/ESO

- Survey. I. Selection and Follow-up Observations from 329 Fields. 652, 1585 (2006)
- WITT, ADOLF N. The Excitation of Extended Red Emission: New Constraints on Its Carrier from *Hubble Space Telescope* Observations of NGC 7023. *Adolf N. Witt, Karl D. Gordon, Uma P. Vijh, Paul H. Sell, Tracy L. Smith, and Rui-Hua Xie.* 636, 303 (2006)
- See VUH, UMA P., et al. Optical Emission Band Morphologies of the Red Rectangle. 653, 1336 (2006)
- WITTEK, W. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
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- WITTMAN, D. First Results on Shear-selected Clusters from the Deep Lens Survey: Optical Imaging, Spectroscopy, and X-Ray Follow-up. *D. Wittman, I. P. Dell'Antonio, J. P. Hughes, V. E. Margoniner, J. A. Tyson, J. G. Cohen, and D. Norman.* 643, 128 (2006)
- See FASSNACHT, C. D., et al. Three Gravitational Lenses for the Price of One: Enhanced Strong Lensing through Galaxy Clustering. 651, 667 (2006)
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- WOLF, A. S. See SHANKLAND, P. D., et al. On the Search for Transits of the Planets Orbiting Gliese 876. 653, 700 (2006)
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- WOLF, CHRISTIAN. See BELL, ERIC F., et al. Dry Mergers in GEMS: The Dynamical Evolution of Massive Early-Type Galaxies. 640, 241 (2006)
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- WOLF, S. See SILVERSTONE, M. D., et al. Formation and Evolution of Planetary Systems (FEPS): Primordial Warm Dust Evolution from 3 to 30 Myr around Sun-like Stars. 639, 1138 (2006)
- See PASCUCCI, I., et al. Formation and Evolution of Planetary Systems: Upper Limits to the Gas Mass in Disks around Sun-like Stars. 651, 1177 (2006)
- WOLF, SEBASTIAN. See HINES, DEAN C., et al. The Formation and Evolution of Planetary Systems (FEPS): Discovery of an Unusual Debris System Associated with HD 12039. 638, 1070 (2006)
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- WOLFE, ARTHUR M. See RAZOUMOV, ALEXEI O., et al. Adaptive Mesh Refinement Simulations of the Ionization Structure and Kinematics of Damped Ly α Systems with Self-consistent Radiative Transfer. 645, 55 (2006)
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- See NAGAMINE, KENTARO, et al. Detectability of [C II] 158 μ m Emission from High-Redshift Galaxies: Predictions for ALMA and SPICA. 647, 60 (2006)
- Searching for Low Surface Brightness Galaxies in the Hubble Ultra Deep Field: Implications for the Star Formation Efficiency in Neutral Gas at $z \sim 3$. *Arthur M. Wolfe and Hsiao-Wen Chen.* 652, 981 (2006)
- See COOKE, JEFF, et al. Survey for Galaxies Associated with $z \sim 3$ Damped Ly α Systems. II. Galaxy-Absorber Correlation Functions. 652, 994 (2006)
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- WOLFE, BRANDON. Transrelativistic Synchrotron Emissivity, Cross Section, and Polarization. *Brandon Wolfe and Fulvio Melia.* 637, 313 (2006)
- Covariant Kinetic Theory with an Application to the Coma Cluster. *Brandon Wolfe and Fulvio Melia.* 638, 125 (2006)
- WOLFF, M. J. See CHURCHWELL, E., et al. The Bubbling Galactic Disk. 649, 759 (2006)
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- See RAKOWSKI, CARA E., et al. Extraordinarily Hot X-Ray Emission from the 90 Emission-Line Star HD 119682. 649, L111 (2006)
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- WOMACK, MARIA. See MILAM, STEFANIE N., et al. Formaldehyde in Comets C/1995 O1 (Hale-Bopp), C/2002 T7 (LINEAR), and C/2001 Q4 (NEAT): Investigating the Cometary Origin of H $_2$ CO. 649, 1169 (2006)
- WONG, TONY. Synthesis Imaging of Dense Molecular Gas in the N113 H II Region of the Large Magellanic Cloud. *Tony Wong, John B. Whiteoak, Jürgen Ott, Yi-nan Chin, and Maria R. Cunningham.* 649, 224 (2006)
- WOO, JONG-HAK. Cosmic Evolution of Black Holes and Spheroids. I. The $M_{\text{BH}}-\sigma$ Relation at $z = 0.36$. *Jong-Hak Woo, Tommaso Treu, Matthew A. Malkan, and Roger D. Blandford.* 645, 900 (2006)
- WOO, RICHARD. Ultra-fine-Scale Filamentary Structures in the Outer Corona and the Solar Magnetic Field. *Richard Woo.* 639, L95 (2006)
- WOOD, BRIAN E. Coronal Emission Measures and Abundances for Moderately Active K Dwarfs Observed by *Chandra*. *Brian E. Wood and Jeffrey L. Linsky.* 643, 444 (2006)
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- Mira B Rejuvenated. *Brian E. Wood and Margarita Karovska.* 649, 410 (2006)
- WOOD, K. See INDEBETOUW, R., et al. Three-dimensional Models of Embedded High-Mass Stars: Effects of a Clumpy Circumstellar Medium. 636, 362 (2006)
- See VRILEK, S. D., et al. Erratum: "Observations of Scorpius X-1 with *IUE*: Ultraviolet Results from a Multiwavelength Campaign" (*ApJ*, 376, 278 [1991]). 637, 1148 (2006)
- See STARK, D. P., et al. Near-Infrared Synthetic Images of Protostellar Disks and Envelopes. 649, 900 (2006)
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- See VARNIERE, PEGGY, et al. Observational Properties of Protoplanetary Disk Gaps. 637, L125 (2006)

- WOOD, M. A. See VUČKOVIĆ, M., et al. Whole Earth Telescope Observations of the Pulsating Subdwarf B Star PG 0014+067. 646, 1230 (2006)
- See HYNES, R. L., et al. Further Evidence for Variable Synchrotron Emission in XTE J1118+480 in Outburst. 651, 401 (2006)
- WOOD, P. R. See SODERBERG, A. M., et al. An *HST* Study of the Supernovae Accompanying GRB 040924 and GRB 041006. 636, 391 (2006)
- See SLOAN, G. C., et al. The Unusual Silicate Dust around HV 2310, an Evolved Star in the Large Magellanic Cloud. 638, 472 (2006)
- See KELLER, S. C., et al. Bump Cepheids in the Magellanic Clouds: Metallicities, the Distances to the LMC and SMC, and the Pulsation-Evolution Mass Discrepancy. 642, 834 (2006)
- See SLOAN, G. C., et al. Mid-Infrared Spectroscopy of Carbon Stars in the Small Magellanic Cloud. 645, 1118 (2006)
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- WOODARD, M. F. The Seismic Correlation Signature of Moderate-Scale Flow in the Sun. *M. F. Woodard*. 649, 1140 (2006)
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- WOODGATE, BRUCE. See COLBERT, JAMES W., et al. Ultraviolet-bright, High-Redshift Ultraluminous Infrared Galaxies. 637, L89 (2006)
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- WOODNEY, L. M. See MILAM, STEFANIE N., et al. Formaldehyde in Comets C/1995 O1 (Hale-Bopp), C/2002 T7 (LINEAR), and C/2001 Q4 (NEAT): Investigating the Cometary Origin of H₂CO. 649, 1169 (2006)
- WOODROOFE, MICHAEL. See WALKER, MATTHEW G., et al. On Kinematic Substructure in the Sextans Dwarf Spheroidal Galaxy. 642, L41 (2006)
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- WOODS, PETER M. See GÖĞÜŞ, ERŞİN, et al. Erratum: "Chandra Localization of XTE J1906+090 and Discovery of Its Optical and Infrared Counterparts" (ApJ, 632, 1069 [2005]). 637, 553 (2006)
- See GAVRIIL, FOTIS P., et al. A Burst and Simultaneous Short-Term Pulsed Flux Enhancement from the Magnetar Candidate 1E 1048.1-5937. 641, 418 (2006)
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- See CONLEY, A., et al. Measurement of Ω_m , Ω_Λ from a Blind Analysis of Type Ia Supernovae with CMAGIC: Using Color Information to Verify the Acceleration of the Universe. 644, 1 (2006)
- Novae as a Mechanism for Producing Cavities around the Progenitors of SN 2002ic and Other Type Ia Supernovae. *W. M. Wood-Vasey and J. L. Sokoloski*. 645, L53 (2006)
- WOODWARD, C. E. See LYNCH, D. K., et al. Early Infrared Spectral Development of V1187 Scorpii (Nova Scorpii 2004 No. 2). 638, 987 (2006)
- See MARLEAU, F. R., et al. Mapping and Mass Measurement of the Cold Dust in NGC 205 with *Spitzer*. 646, 929 (2006)
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- See BARMBY, P., et al. Dusty Waves on a Starry Sea: The Mid-Infrared View of M31. 650, L45 (2006)
- WOODWARD, CHARLES E. See BUCKALEW, BRENT A., et al. Understanding Radio-selected Thermal Sources in M33: Ultraviolet, Optical, Near-Infrared, *Spitzer* Mid-Infrared, and Radio Observations. 162, 329 (2006)
- See JACKSON, DALE C., et al. Hot Dust and Polycyclic Aromatic Hydrocarbon Emission at Low Metallicity: A *Spitzer* Survey of Local Group and Other Nearby Dwarf Galaxies. 646, 192 (2006)
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- See KUHLEN, M., et al. Carbon Ignition in Type Ia Supernovae. II. A Three-dimensional Numerical Model. 640, 407 (2006)
- See FOLATELLI, GASTÓN, et al. SN 2005bf: A Possible Transition Event between Type Ib/c Supernovae and Gamma-Ray Bursts. 641, 1039 (2006)
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- WORRALL, D. M. See SCHWARTZ, D. A., et al. *Chandra* Observations of Magnetic Fields and Relativistic Beaming in Four Quasar Jets. 640, 592 (2006)
- See EVANS, D. A., et al. *Chandra* and *XMM-Newton* Observations of a Sample of Low-Redshift FR I and FR II Radio Galaxy Nuclei. 642, 96 (2006)
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- See SCHWARTZ, D. A., et al. Discovery of an X-Ray Jet and Extended Jet Structure in the Quasar PKS 1055+201. 647, L107 (2006)
- WOUDT, PATRICK. See CLOCCHIATTI, ALEJANDRO, et al. *Hubble Space Telescope* and Ground-based Observations of Type Ia Supernovae at Redshift 0.5: Cosmological Implications. 642, 1 (2006)
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- RAPTOR Observations of Delayed Explosive Activity in the High-Redshift Gamma-Ray Burst GRB 060206. *P. R. Woźniak, W. T. Vestrand, J. A. Wren, R. R. White, S. M. Evans, and D. Caspersen*. 642, L99 (2006)
- WRAY, JAMES J. The Shape, Multiplicity, and Evolution of Superclusters in Λ CDM Cosmology. *James J. Wray, Neta A. Bahcall, Paul Bode, Carl Boettiger, and Philip F. Hopkins*. 652, 907 (2006)
- WREN, J. See YOST, S. A., et al. Optical Light Curve and Cooling Break of GRB 050502A. 636, 959 (2006)
- See QUIMBY, R. M., et al. Early-Time Observations of the GRB 050319 Optical Transient. 640, 402 (2006)
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- WREN, J. A. See WOŹNIAK, P. R., et al. RAPTOR Observations of Delayed Explosive Activity in the High-Redshift Gamma-Ray Burst GRB 060206. 642, L99 (2006)
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- WRIGHT, G. A. E. See WELTEVREDE, P., et al. Is Pulsar B0656+14 a Very Nearby Rotating Radio Transient? 645, L149 (2006)
- WRIGHT, IAN P. See VERCHOVSKY, ALEXANDER B., et al. Nanodiamonds from AGB Stars: A New Type of Presolar Grain in Meteorites. 651, 481 (2006)
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- See JOHNSON, JOHN ASHER, et al. The N2K Consortium. VI. Doppler Shifts without Templates and Three New Short-Period Planets. 647, 600 (2006)
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- WROBEL, J. M. Radio Emission on Subparsec Scales from the Intermediate-Mass Black Hole in NGC 4395. *J. M. Wrobel and L. C. Ho*. 646, L95 (2006)
- WU, C. S. See LU, Q. M., et al. The Nearly Isotropic Velocity Distributions of Energetic Electrons in the Solar Wind. 638, 1169 (2006)
- WU, D. J. See KALADZE, T. D., et al. Nonlinear Rossby Wave Dynamics in the Solar Photosphere. 638, L49 (2006)
- WU, HONG. See WANG, J. L., et al. Luminous Infrared Galaxies in the Local Universe. 649, 722 (2006)
- See MA, JUN, et al. 037-B327 in M31: Luminous Globular Cluster or Core of a Former Dwarf Spheroidal Companion to M31? 636, L93 (2006)
- WU, J. F. See JIN, Y. K., et al. Hardness Ratio Estimation in Low Counting X-Ray Photometry. 653, 1566 (2006)
- WU, J. M. Strong Lensing on High-Redshift Galaxies. *J. M. Wu and T. Chiuah*. 639, 695 (2006)
- WU, JIANGHUA. See MA, JUN, et al. 037-B327 in M31: Luminous Globular Cluster or Core of a Former Dwarf Spheroidal Companion to M31? 636, L93 (2006)
- WU, KINWAH. See WEISSKOPF, MARTIN C., et al. The First *Chandra* Field. 637, 682 (2006)
- See GHOSH, KAJAL K., et al. On the Nature of the Ultraluminous X-Ray Transient in Cen A (NGC 5128). 640, 459 (2006)
- WU, S. T. See SONG, M. T., et al. A New and Fast Way to Reconstruct a Nonlinear Force-free Field in the Solar Corona. 649, 1084 (2006)
- Data-driven Magnetohydrodynamic Model for Active Region Evolution. *S. T. Wu, A. H. Wang, Yang Liu, and J. Todd Hoeksema*. 652, 800 (2006)
- WU, XIAOAN. Deriving the Mass Distribution of M87 from Globular Clusters. *Xiaoan Wu and Scott Tremaine*. 643, 210 (2006)
- WU, XIN. Chaotic Dynamics in a Superposed Weyl Spacetime. *Xin Wu and Hong Zhang*. 652, 1466 (2006)
- WU, XUE-BING. See WANG, RAN, et al. The Black Hole Fundamental Plane from a Uniform Sample of Radio and X-Ray-emitting Broad-Line AGNs. 645, 890 (2006)
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- WU, YANLING. Mid-Infrared Properties of Low-Metallicity Blue Compact Dwarf Galaxies from the *Spitzer* Infrared Spectrograph. *Yanling Wu, V. Charmandaris, Lei Hao, B. R. Brandl, J. Bernard-Salas, H. W. W. Spoon, and J. R. Houck*. 639, 157 (2006)
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- WYCKOFF, SUSAN. See MILAM, STEFANIE N., et al. Formaldehyde in Comets C/1995 O1 (Hale-Bopp), C/2002 T7 (LINEAR), and C/2001 Q4 (NEAT): Investigating the Cometary Origin of H₂CO. 649, 1169 (2006)
- WYDER, T. K. See IGLESÍAS-PÁRAMO, J., et al. Star Formation in the Nearby Universe: The Ultraviolet and Infrared Points of View. 164, 38 (2006)
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- WYRZYKOWSKI, L. See SUMI, T., et al. Microlensing Optical Depth toward the Galactic Bulge Using Bright Sources from OGLE-II. 636, 240 (2006)
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- WYSE, ROSEMARY F. G. Further Evidence of a Merger Origin for the Thick Disk: Galactic Stars along Lines of Sight to Dwarf Spheroidal Galaxies. *Rosemary F. G. Wyse, Gerard Gilmore, John E. Norris, M. I. Wilkinson, Jan T. Kleyna, A. Koch, N. W. Evans, and E. K. Grebel*. 639, L13 (2006)
- XIA, LIFANG. Evolution of the Galaxy Luminosity Function for Redshift and Density Environment at $0.03 < z < 0.5$. *Lifang Xia, Xu Zhou, Yanbin Yang, Jun Ma, and Zhaoji Jiang*. 652, 249 (2006)
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- XILOURIS, E. Abundant Dust Found in Intergalactic Space. *E. Xilouris, P.*

- Alton, J. Alikakos, K. Xilouris, P. Boumis, and C. Goudis. 651, L107 (2006)
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- XU, K. See IGLESIAS-PÁRAMO, J., et al. Star Formation in the Nearby Universe: The Ultraviolet and Infrared Points of View. 164, 38 (2006)
- XU, KEVIN C. See APPLETON, P. N., et al. Powerful High-Velocity Dispersion Molecular Hydrogen Associated with an Intergalactic Shock Wave in Stephan's Quintet. 639, L51 (2006)
- XU, R. X. See YUE, Y. L., et al. Is PSR B0943+10 a Low-Mass Quark Star? 649, L95 (2006)
- XU, Y. Search for Compact Extragalactic Radio Sources near Massive Star-forming Regions. Y. Xu, M. J. Reid, K. M. Menten, and X. W. Zheng. 166, 526 (2006)
- XU, YA-DI. Thermal X-Ray Iron Line Emission from the Galactic Center Black Hole Sagittarius A*. Ya-Di Xu, Ramesh Narayan, Eliot Quataert, Feng Yuan, and Frederick K. Baganoff. 640, 319 (2006)
- XU, YAN. High-Resolution Observations of Multiwavelength Emissions during Two X-Class White-Light Flares. Yan Xu, Wenda Cao, Chang Liu, Guo Yang, Ju Jing, Carsten Denker, A. Gordon Emslie, and Haimin Wang. 641, 1210 (2006)
- See DENG, N. A., et al. Multiwavelength Study of Flow Fields in Flaring Super Active Region NOAA 10486. 644, 1278 (2006)
- XU, YONGZHONG. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- A Faraday Rotation Search for Magnetic Fields in Large-scale Structure. Yongzhong Xu, Philipp P. Kronberg, Salman Habib, and Quentin W. Dufton. 637, 19 (2006)
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- XUE, SHE-SHENG. See RUFFINI, REMO, et al. GRB 050315: A Step toward Understanding the Uniqueness of the Overall Gamma-Ray Burst Structure. 645, L109 (2006)
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- YADAV, J. S. Connection between the Accretion Disk and Superluminal Radio Jets and the Role of the Radio Plateau State in GRS 1915+105. J. S. Yadav. 646, 385 (2006)
- YAGI, MASAFUMI. Interacting E+A System SDSS J161330.18+510335.5. I. Spatially Extended Poststarburst Signatures and Age Gradient. Masafumi Yagi, Tomotsugu Goto, and Takashi Hattori. 642, 152 (2006)
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- YAMASHITA, KOICHI. See ISHII, KEISAKU, et al. Theoretical Elucidation of the Unusually High [HNC]/[HCN] Abundance Ratio in Interstellar Space: Two-dimensional and Two-State Quantum Wave Packet Dynamics Study

- on the Branching Ratio of the Dissociative Recombination Reaction $\text{HCNH}^+ + e^- \rightarrow \text{HNC}/\text{HCN} + \text{H}$. 636, 927 (2006)
- YAMASHITA, M. See SAKO, T., et al. Long-lived Solar Neutron Emission in Comparison with Electron-produced Radiation in the 2005 September 7 Solar Flare. 651, L69 (2006)
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- YAN, HAOJING. The Stellar Masses and Star Formation Histories of Galaxies at $z \approx 6$: Constraints from *Spitzer* Observations in the Great Observatories Origins Deep Survey. *Haojing Yan, Mark Dickinson, Mauro Giavalisco, Daniel Stern, Peter R. M. Eisenhardt, and Henry C. Ferguson*. 651, 24 (2006)
- YAN, HUIRONG. See PETROSIAN, VAHÉ, et al. Damping of Magnetohydrodynamic Turbulence in Solar Flares. 644, 603 (2006)
- Polarization of Absorption Lines as a Diagnostics of Circumstellar, Interstellar, and Intergalactic Magnetic Fields: Fine-Structure Atoms. *Huirong Yan and A. Lazarian*. 653, 1292 (2006)
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- YANAGISAWA, C. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- YANG, XIAOHU. Observational Evidence for an Age Dependence of Halo Bias. *Xiaohu Yang, H. J. Mo, and Frank C. van den Bosch*. 638, L55 (2006)
- YANG, Y. Spatial Correlation Function of the *Chandra*-selected Active Galactic Nuclei. *Y. Yang, R. F. Mushotzky, A. J. Barger, and L. L. Cowie*. 645, 68 (2006)
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- E+G Galaxies with Blue Cores: Active Galaxies in Transition. *Yujin Yang, Christy A. Tremonti, Ann I. Zabludoff, and Dennis Zaritsky*. 646, L33 (2006)
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- See ALLENDE PRIETO, CARLOS, et al. A Spectroscopic Study of the Ancient Milky Way: F- and G-Type Stars in the Third Data Release of the Sloan Digital Sky Survey. 636, 804 (2006)
- YAO, LIHONG. Starburst Models for Far-Infrared/Submillimeter/Millimeter Line Emission. I. An Expanding Supershell Surrounding a Massive Star Cluster. *Lihong Yao, T. A. Bell, S. Viti, J. A. Yates, and E. R. Seaquist*. 636, 881 (2006)
- YAO, YANGSEN. X-Ray Absorption Spectroscopy of the Multiphase Interstellar Medium: Oxygen and Neon Abundances. *Yangsens Yao and Q. Daniel Wang*. 641, 930 (2006)
- Chandra* Detection of Fe XVII in Absorption: Iron Abundance in the Hot Gaseous Interstellar Medium. *Yangsens Yao, Norbert Schulz, Q. Daniel Wang, and Michael Nowak*. 653, L121 (2006)
- YASHIRO, S. Different Power-Law Indices in the Frequency Distributions of Flares with and without Coronal Mass Ejections. *S. Yashiro, S. Akiyama, N. Gopalswamy, and R. A. Howard*. 650, L143 (2006)
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- YATES, J. A. See YAO, LIHONG, et al. Starburst Models for Far-Infrared/Submillimeter/Millimeter Line Emission. I. An Expanding Supershell Surrounding a Massive Star Cluster. 636, 881 (2006)
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- YILMAZ, ARDA. See GELINO, DAWN M., et al. The Inclination Angle and Mass of the Black Hole in XTE J1118+480. 642, 438 (2006)
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- From Galaxy-Galaxy Lensing to Cosmological Parameters. Jaiyul Yoo, Jeremy L. Tinker, David H. Weinberg, Zheng Zheng, Neal Katz, and Romeel Davé. 652, 26 (2006)
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- YORK, BRIAN A. Detection of Diffuse Interstellar Bands in the $z = 0.5$ Damped Ly α System toward AO 0235+164. Brian A. York, Sara L. Ellison, Brandon Lawton, Christopher W. Churchill, Theodore P. Snow, Rachel A. Johnson, and Sean G. Ryan. 647, L29 (2006)
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- Luminosity Functions of Lyman Break Galaxies at $z \sim 4$ and $z \sim 5$ in the Subaru Deep Field. Makiko Yoshida, Kazuhiro Shimasaku, Nobunari Kashikawa, Masami Ouchi, Sadanori Okamura, Masaru Ajiki, Masayuki

- Akiyama, Hiroyasu Ando, Kentaro Aoki, Mamoru Doi, Hisanori Furusawa, Tomoki Hayashino, Fumihide Iwamuro, Masanori Iye, Hiroshi Kuroji, Naoto Kobayashi, Keiichi Kodaira, Tadayuki Kodama, Yutaka Komiyama, Matthew A. Malkan, Yuichi Matsuda, Satoshi Miyazaki, Yoshihiko Mizumoto, Tomoki Morokuma, Kentaro Motohara, Takashi Murayama, Tohru Nagao, Kyoji Nariai, Kouji Ohta, Toshiyuki Sakaki, Yasunori Sato, Kazuhiro Sekiguchi, Yasuhiro Shioya, Hajime Tamura, Yoshiaki Taniguchi, Masayuki Umemura, Toru Yamada, and Naoki Yasuda. 653, 988 (2006)
- YOSHIDA, MICHITOSHI. See SAITO, TOMOKI, et al. Systematic Survey of Extended Ly α Sources over $z \sim 3-5$. 648, 54 (2006)
- YOSHIDA, NAOIKI. See ROBERTSON, BRANT, et al. A Merger-driven Scenario for Cosmological Disk Galaxy Formation. 645, 986 (2006)
- Formation of Primordial Stars in a Λ CDM Universe. Naoki Yoshida, Kazuyuki Omukai, Lars Hernquist, and Tom Abel. 652, 6 (2006)
- YOSHIDA, SHUUN. Equilibrium Configurations of Magnetized Rotating Polytropes: Effects of Strong Toroidal Magnetic Fields in Addition to Poloidal Magnetic Fields. Shijun Yoshida and Yoshiharu Eriguchi. 164, 156 (2006)
- Twisted-Torus Equilibrium Structures of Magnetic Fields in Magnetized Stars. Shijun Yoshida, Shin'ichirou Yoshida, and Yoshiharu Eriguchi. 651, 462 (2006)
- YOSHIDA, SHIN'ICHIROU. See YOSHIDA, SHUUN, et al. Twisted-Torus Equilibrium Structures of Magnetic Fields in Magnetized Stars. 651, 462 (2006)
- YOSHIDA, T. See ENOMOTO, R., et al. A Search for Sub-TeV Gamma Rays from the Vela Pulsar Region with CANGAROO-III. 638, 397 (2006)
- See ENOMOTO, R., et al. CANGAROO III Observations of the Supernova Remnant RX J0852.0-4622. 652, 1268 (2006)
- YOSHIDA, TAKASHI. Neutrino Oscillation Effects on Supernova Light-Element Synthesis. Takashi Yoshida, Toshitaka Kajino, Hidekazu Yokomakura, Keiichi Kimura, Akira Takamura, and Dieter H. Hartmann. 649, 319 (2006)
- YOSHIGUCHI, HIROYUKI. See TAKAMI, HAJIME, et al. Propagation of Ultra-High-Energy Cosmic Rays above 10^{19} eV in a Structured Extragalactic Magnetic Field and Galactic Magnetic Field. 639, 803 (2006)
- See TAKAMI, HAJIME, et al. Erratum: "Propagation of Ultra-High-Energy Cosmic Rays above 10^{19} eV in a Structured Extragalactic Magnetic Field and Galactic Magnetic Field" (ApJ, 639, 803 [2006]). 653, 1584 (2006)
- YOSHII, Y. See AOKI, W., et al. HE 1327-2326, an Unevolved Star with $[Fe/H] < -5.0$. I. A Comprehensive Abundance Analysis. 639, 897 (2006)
- See PRICE, P. A., et al. Cosmological Implications of the Very High Redshift GRB 050904. 645, 851 (2006)
- YOSHII, YUZURU. See SUGANUMA, MASAHIRO, et al. Reverberation Measurements of the Inner Radius of the Dust Torus in Nearby Seyfert 1 Galaxies. 639, 46 (2006)
- See TOMITA, HIROYUKI, et al. The Optical/Near-Infrared Light Curves of SN 2002ap for the First 1.5 Years after Discovery. 644, 400 (2006)
- See OTA, NAOMI, et al. Chandra Observations of SDSS J1004+4112: Constraints on the Lensing Cluster and Anomalous X-Ray Flux Ratios of the Quadruply Imaged Quasar. 647, 215 (2006)
- See TSUZUKI, YUMIHIKO, et al. Fe II Emission in 14 Low-Redshift Quasars. I. Observations. 650, 57 (2006)
- See BENTZ, MISTY C., et al. A Reverberation-based Mass for the Central Black Hole in NGC 4151. 651, 775 (2006)
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- YOSHIKAWA, I. See SAKO, T., et al. Long-lived Solar Neutron Emission in Comparison with Electron-produced Radiation in the 2005 September 7 Solar Flare. 651, L69 (2006)
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- See ENOMOTO, R., et al. CANGAROO III Observations of the Supernova Remnant RX J0852.0-4622. 652, 1268 (2006)
- YOSHISATO, AYAKO. Why is the Zel'dovich Approximation So Accurate? Ayako Yoshisato, Masahiro Morikawa, Naoteru Gouda, and Hideaki Mouri. 637, 555 (2006)
- YOST, S. A. Optical Light Curve and Cooling Break of GRB 050502A. S. A. Yost, K. Alatalo, E. S. Rykoff, F. Aharonian, C. W. Akerlof, M. C. B. Ashley, C. H. Blake, J. S. Bloom, M. Boettcher, E. E. Falco, E. Göğüş, T. Güver, J. P. Halpern, D. Horns, M. Joshi, Ü. Kizilolu, T. A. McKay, N. Mirabal, M. Özel, A. Phillips, R. M. Quimby, W. Rujopakarn, B. E. Schaefer, J. C. Shields, M. Skrutskie, D. A. Smith, D. L. Starr, H. F. Swan, A. Szentgyorgyi, W. T. Vestrand, J. C. Wheeler, and J. Wren. 636, 959 (2006)
- See QUIMBY, R. M., et al. Early-Time Observations of the GRB 050319 Optical Transient. 640, 402 (2006)
- See RYKOFF, E. S., et al. The Anomalous Early Afterglow of GRB 050801. 638, L5 (2006)
- YOST, SARAH A. See ECKART, MEGAN E., et al. The Serendipitous Extragalactic X-Ray Source Identification (SEXSI) Program. III. Optical Spectroscopy. 165, 19 (2006)
- YOU, J. H. See LIU, D. B., et al. Further Analysis of Absorption Features in the X-Ray Spectrum of the Isolated Neutron Star 1E 1207.4-5209. 644, 439 (2006)
- YOUNG, A. J. See WILSON, A. S., et al. The Cavity of Cygnus A. 644, L9 (2006)
- YOUNG, CHADWICK H. See DUNHAM, MICHAEL M., et al. The *Spitzer* c2d Survey of Nearby Dense Cores. I. First Direct Detection of the Embedded Source in IRAM 04191+1522. 651, 945 (2006)
- See BOURKE, TYLER L., et al. The *Spitzer* c2d Survey of Nearby Dense Cores. II. Discovery of a Low-Luminosity Object in the "Evolved Starless Core" L1521F. 649, L37 (2006)
- YOUNG, E. See LUHMAN, K. L., et al. Discovery of a Young Substellar Companion in Chamaeleon. 649, 894 (2006)
- YOUNG, E. T. *Spitzer* and Magellan Observations of NGC 2264: A Remarkable Star-forming Core near IRS 2. E. T. Young, P. S. Teixeira, C. J. Lada, J. Muzerolle, S. E. Persson, D. C. Murphy, N. Siegler, M. Marengo, O. Krause, and A. K. Mainzer. 642, 972 (2006)
- See GORDON, K. D., et al. *Spitzer* MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure. 638, L87 (2006)
- YOUNG, ERICK. See SICILIA-AGUILAR, AURORA, et al. Disk Evolution in Cep OB2: Results from the *Spitzer* Space Telescope. 638, 897 (2006)
- YOUNG, ERICK T. See MUZEROLLE, JAMES, et al. 24 μ m Detections of Circum(sub)stellar Disks in IC 348: Grain Growth and Inner Holes? 643, 1003 (2006)
- See GORLOVA, NADYA, et al. *Spitzer* 24 μ m Survey of Debris Disks in the Pleiades. 649, 1028 (2006)
- See TEIXEIRA, PAULA S., et al. Identifying Primordial Substructure in NGC 2264. 636, L45 (2006)
- See BALOG, ZOLTAN, et al. *Spitzer* MIPS 24 μ m Detection of Photoevaporating Protoplanetary Disks. 650, L83 (2006)
- YOUNG, K. See SAHAI, R., et al. A Massive Bipolar Outflow and a Dusty Torus with Large Grains in the Preplanetary Nebula IRAS 22036+5306. 653, 1241 (2006)
- YOUNG, KAISA E. See ENOCH, MELISSA L., et al. Bolocam Survey for 1.1 mm Dust Continuum Emission in the c2d Legacy Clouds. I. Perseus. 638, 293 (2006)
- See HARVEY, PAUL M., et al. The *Spitzer* c2d Survey of Large, Nearby, Interstellar Clouds. II. Serpens Observed with IRAC. 644, 307 (2006)
- Bolocam Survey for 1.1 mm Dust Continuum Emission in the c2d Legacy Clouds. II. Ophiuchus. Kaisa E. Young, Melissa L. Enoch, Neal J. Evans II, Jason Glenn, Anneela Sargent, Tracy L. Huard, James Aguirre, Sunil Golwala, Douglas Haig, Paul Harvey, Glenn Laurent, Philip Mouskoff, and Jack Sayers. 644, 326 (2006)
- See JØRGENSEN, JES K., et al. The *Spitzer* c2d Survey of Large, Nearby, Interstellar Clouds. III. Perseus Observed with IRAC. 645, 1246 (2006)
- YOUNG, L. M. The Evolution of the Interstellar Medium in the Mildly Disturbed Spiral Galaxy NGC 4647. L. M. Young, E. Rosolowsky, J. H. van Gorkom, and S. A. Lamb. 650, 166 (2006)
- YOUNG, P. R. See LANDI, E., et al. CHIANTI—An Atomic Database for Emission Lines. VII. New Data for X-Rays and Other Improvements. 162, 261 (2006)
- High-Ionization Forbidden Lines in the UV Spectrum of AG Draconis. P. R. Young, A. K. Dupree, B. R. Espey, and S. J. Kenyon. 650, 1091 (2006)
- YOUNG, PATRICK A. Constraints on the Progenitor of Cassiopeia A. Patrick A. Young, Chris L. Fryer, Aimee Hungerford, David Arnett, Gabriel Rockefeller, F. X. Timmes, Benedict Voit, Casey Meakin, and Kristoffer A. Eriksen. 640, 891 (2006)

- See FRYER, CHRISTOPHER L., et al. The Environments around Long-Duration Gamma-Ray Burst Progenitors. 647, 1269 (2006)
- See FRYER, CHRISTOPHER L., et al. Explosive Nucleosynthesis from Gamma-Ray Burst and Hypernova Progenitors: Direct Collapse versus fallback. 650, 1028 (2006)
- YOUNGER, JOSHUA D. Breaking Cosmological Degeneracies in Galaxy Cluster Surveys with a Physical Model of Cluster Structure. *Joshua D. Younger, Zoltán Haiman, Greg L. Bryan, and Sheng Wang*. 653, 27 (2006)
- YUAN, A. F. See LIU, D. B., et al. Further Analysis of Absorption Features in the X-Ray Spectrum of the Isolated Neutron Star 1E 1207.4-5209. 644, 439 (2006)
- YUAN, CHI. On the Spiral Structure of NGC 5248: An Analytic Approach. *Chi Yuan and Chao-Chin Yang*. 644, 180 (2006)
- YUAN, F. See RYKOFF, E. S., et al. The Anomalous Early Afterglow of GRB 050801. 638, L5 (2006)
- YUAN, FENG. Hot One-Temperature Accretion Flows Revisited. *Feng Yuan, Ronald E. Taam, Yongquan Xue, and Wei Cui*. 636, 46 (2006)
- See XU, YA-DI, et al. Thermal X-Ray Iron Line Emission from the Galactic Center Black Hole Sagittarius A*. 640, 319 (2006)
- See NEMMEN, RODRIGO S., et al. Radiatively Inefficient Accretion Flow in the Nucleus of NGC 1097. 643, 652 (2006)
- See XUE, YONGQUAN, et al. X-Ray Spectral Variability of TeV Blazars during Rapid Flares. 647, 194 (2006)
- Testing the Radiatively Inefficient Accretion Flow Model for Sagittarius A* Using the Size Measurements. *Feng Yuan, Zhi-Qiang Shen, and Lei Huang*. 642, L45 (2006)
- YUAN, WEIMIN. See ZHOU, HONGYAN, et al. A Comprehensive Study of 2000 Narrow Line Seyfert 1 Galaxies from the Sloan Digital Sky Survey. I. The Sample. 166, 128 (2006)
- See ZHOU, HONGYAN, et al. Polar Outflows in Six Broad Absorption Line Quasars. 639, 716 (2006)
- YUASA, M. See ENOMOTO, R., et al. A Search for Sub-TeV Gamma Rays from the Vela Pulsar Region with CANGAROO-III. 638, 397 (2006)
- See ENOMOTO, R., et al. CANGAROO III Observations of the Supernova Remnant RX J0852.0-4622. 652, 1268 (2006)
- YUE, Y. L. Is PSR B0943+10 a Low-Mass Quark Star? *Y. L. Yue, X. H. Cui, and R. X. Xu*. 649, L95 (2006)
- YUI, YUKARI Y. See OKADA, YOKO, et al. Large Silicon Abundance in Photodissociation Regions. 640, 383 (2006)
- YUK, I.-S. See EDELSTEIN, J., et al. The "Spectroscopy of Plasma Evolution from Astrophysical Radiation" Mission. 644, L153 (2006)
- See EDELSTEIN, J., et al. The SPEAR Instrument and On-Orbit Performance. 644, L159 (2006)
- See KREGENOW, J., et al. Far-Ultraviolet Observations of a Thermal Interface in the Orion-Eridanus Superbubble. 644, L167 (2006)
- See NISHIKIDA, K., et al. Far-Ultraviolet Spectral Images of the Vela Supernova Remnant. 644, L171 (2006)
- See LEE, D.-H., et al. Diffuse Far-Ultraviolet Observations of the Taurus Region. 644, L181 (2006)
- YUKAWA, Y. See ENOMOTO, R., et al. A Search for Sub-TeV Gamma Rays from the Vela Pulsar Region with CANGAROO-III. 638, 397 (2006)
- See ENOMOTO, R., et al. CANGAROO III Observations of the Supernova Remnant RX J0852.0-4622. 652, 1268 (2006)
- YUKITA, MIHOKO. See SWARTZ, DOUGLAS A., et al. *Chandra* Observations of Circumnuclear Star Formation in NGC 3351. 647, 1030 (2006)
- YUN, HONG SIK. See BONG, SU-CHAN, et al. Spatio-spectral Maximum Entropy Method. I. Formulation and Test. 636, 1159 (2006)
- YUN, J. See DELGADO, A. J., et al. Multiwavelength Analysis of the Young Open Cluster NGC 2362. 646, 269 (2006)
- YUN, M. S. See LAURENT, G. T., et al. The Bolocam 1.1 mm Lockman Hole Galaxy Survey: SHARC II 350 μ m Photometry and Implications for Spectral Models, Dust Temperatures, and Redshift Estimation. 643, 38 (2006)
- See APPLETON, P. N., et al. Powerful High-Velocity Dispersion Molecular Hydrogen Associated with an Intergalactic Shock Wave in Stephan's Quintet. 639, L51 (2006)
- See IONO, D., et al. Interferometric 890 μ m Images of High-Redshift Submillimeter Galaxies. 640, L1 (2006)
- YUN, MIN S. See RIECHERS, DOMINIK A., et al. CO(1-0) in $z \geq 4$ Quasar Host Galaxies: No Evidence for Extended Molecular Gas Reservoirs. 650, 604 (2006)
- See IONO, DAISUKE, et al. A Detection of [C II] Line Emission in the $z = 4.7$ QSO BR 1202-0725. 645, L97 (2006)
- YUNG, YUK L. See CHENG, BING-MING, et al. Absorption Cross Sections of NH₃, NH₂D, NHD, and ND₂ in the Spectral Range 140-220 nm and Implications for Planetary Isotopic Fractionation. 647, 1535 (2006)
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- YURCHYSHYN, V. B. See KRALL, J., et al. Flux Rope Model of the 2003 October 28-30 Coronal Mass Ejection and Interplanetary Coronal Mass Ejection. 642, 541 (2006)
- See ABRAMENKO, V. I., et al. The Rate of Emergence of Magnetic Dipoles in Coronal Holes and Adjacent Quiet-Sun Regions. 641, L65 (2006)
- YUSEF-ZADEH, F. See BÉLANGER, G., et al. A Persistent High-Energy Flux from the Heart of the Milky Way: *INTEGRAL's* View of the Galactic Center. 636, 275 (2006)
- A Multiwavelength Study of Sgr A*: The Role of Near-IR Flares in Production of X-Ray, Soft γ -Ray, and Submillimeter Emission. *F. Yusef-Zadeh, H. Bushouse, C. D. Dowell, M. Wardle, D. Roberts, C. Heinke, G. C. Bower, B. Vila-Villaró, S. Shapiro, A. Goldwurm, and G. Bélanger*. 644, 198 (2006)
- Flaring Activity of Sagittarius A* at 43 and 22 GHz: Evidence for Expanding Hot Plasma. *F. Yusef-Zadeh, D. Roberts, M. Wardle, C. O. Heinke, and G. C. Bower*. 650, 189 (2006)
- See HEWITT, J. W., et al. Green Bank Telescope Observations of IC 443: The Nature of OH (1720 MHz) Masers and OH Absorption. 652, 1288 (2006)
- YUSEF-ZADEH, FARHAD. See MUNO, MICHAEL P., et al. Diffuse, Nonthermal X-Ray Emission from the Galactic Star Cluster Westerlund 1. 650, 203 (2006)
- See MUNO, MICHAEL P., et al. A Neutron Star with a Massive Progenitor in Westerlund 1. 636, L41 (2006)
- See BOLDYREV, STANISLAV, et al. Turbulent Origin of the Galactic Center Magnetic Field: Nonthermal Radio Filaments. 637, L101 (2006)
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- See YANG, YUJIN, et al. Probing Galaxy Formation with He II Cooling Lines. 640, 539 (2006)
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- See ZARITSKY, DENNIS, et al. Local Group Dwarf Galaxies and the Fundamental Manifold of Spheroids. 642, L37 (2006)
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- ZACKRISSON, E. The Red Halo Phenomenon. *E. Zackrisson, N. Bergvall, G. Östlin, G. Micheva, and M. Leksell*. 650, 812 (2006)
- ZAGGIA, SIMONE. See MUÑOZ, RICARDO R., et al. Exploring Halo Substructure with Giant Stars. XI. The Tidal Tails of the Carina Dwarf Spheroidal Galaxy and the Discovery of Magellanic Cloud Stars in the Carina Foreground. 649, 201 (2006)
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- Lensing Reconstruction Using Redshifted 21 Centimeter Fluctuations. *Oliver Zahn and Matias Zaldarriaga*. 653, 922 (2006)
- ZAKAMSKA, NADIA L. See PTAČ, ANDREW, et al. Type II Quasars from the Sloan Digital Sky Survey. IV. *Chandra* and *XMM-Newton* Observations Reveal Heavily Absorbed Sources. 637, 147 (2006)
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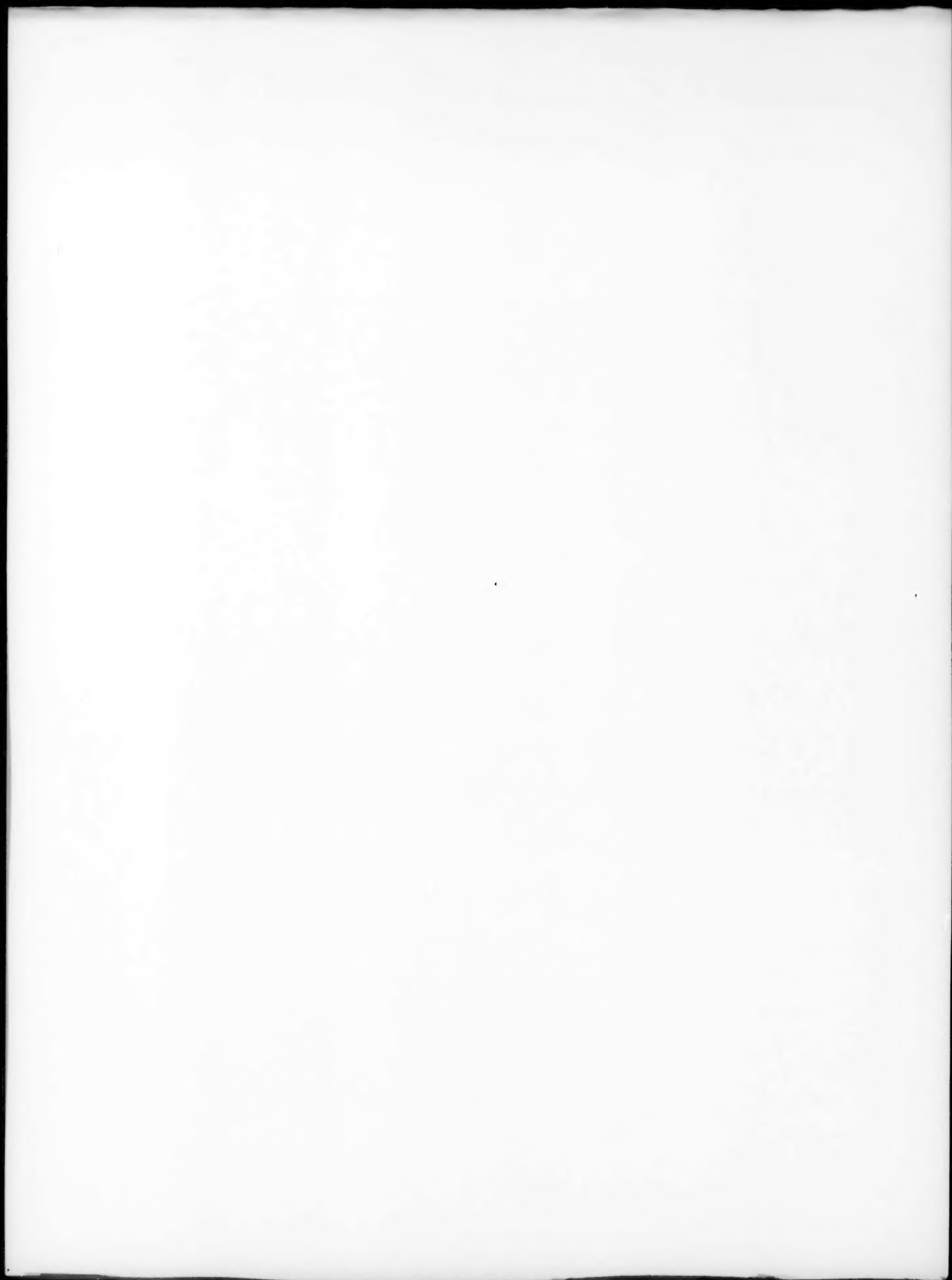
- ZALIPSKA, J. See ABE, K., et al. High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. 652, 198 (2006)
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- See WEBB, G. M., et al. Compound and Perpendicular Diffusion of Cosmic Rays and Random Walk of the Field Lines. I. Parallel Particle Transport Models. 651, 211 (2006)
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- See SHAIKH, DASTGEER, et al. The Transition to Incompressibility from Compressible Magnetohydrodynamic Turbulence. 640, L195 (2006)
- ZANOTTI, OLINDO. See ANTÓN, LUIS, et al. Numerical 3+1 General Relativistic Magnetohydrodynamics: A Local Characteristic Approach. 637, 296 (2006)
- ZAPATA, LUIS A. Silicon Monoxide Observations Reveal a Cluster of Hidden Compact Outflows in the OMC 1 South Region. *Luis A. Zapata, Paul T. P. Ho, Luis F. Rodríguez, C. R. O'Dell, Qizhou Zhang, and August Muench*. 653, 398 (2006)
- ZAPATERO, J. See ALBERT, J., et al. Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus IES 1959+650 Using the MAGIC Telescope. 639, 761 (2006)
- See ALBERT, J., et al. MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. 637, L41 (2006)
- See ALBERT, J., et al. Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. 638, L101 (2006)
- See ALBERT, J., et al. Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. 641, L9 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy Gamma Rays from IES 1218+30.4. 642, L119 (2006)
- See ALBERT, J., et al. Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. 643, L53 (2006)
- See ALBERT, J., et al. Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. 648, L105 (2006)
- ZAPATERO OSORIO, M. R. Spectroscopic Rotational Velocities of Brown Dwarfs. *M. R. Zapatero Osorio, E. L. Martín, H. Bouy, R. Tata, R. Deshpande, and R. J. Wainscoat*. 647, 1405 (2006)
- See MARTÍN, E. L., et al. A Multiwavelength Radial Velocity Search for Planets around the Brown Dwarf LP 944-20. 644, L75 (2006)
- ZAPPACOSTA, LUCA. See HUMPHREY, PHILIP J., et al. A *Chandra* View of Dark Matter in Early-Type Galaxies. 646, 899 (2006)
- The Absence of Adiabatic Contraction of the Radial Dark Matter Profile in the Galaxy Cluster A2589. *Luca Zappacosta, David A. Buote, Fabio Gastaldello, Philip J. Humphrey, James Bullock, Fabrizio Brighenti, and William Mathews*. 650, 777 (2006)
- See MATHEWS, WILLIAM G., et al. Large Scatter in X-Ray Emission among Elliptical Galaxies: Correlations with Mass of Host Halo. 652, L17 (2006)
- ZARITSKY, DENNIS. The Fundamental Manifold of Spheroids. *Dennis Zaritsky, Anthony H. Gonzalez, and Ann I. Zabludoff*. 638, 725 (2006)
- See POGGIANTI, BIANCA M., et al. The Evolution of the Star Formation Activity in Galaxies and Its Dependence on Environment. 642, 188 (2006)
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- Local Group Dwarf Galaxies and the Fundamental Manifold of Spheroids. *Dennis Zaritsky, Anthony H. Gonzalez, and Ann I. Zabludoff*. 642, L37 (2006)
- See YANG, YUJIN, et al. E+A Galaxies with Blue Cores: Active Galaxies in Transition. 646, L33 (2006)
- See CLOWE, DOUGLAS, et al. A Direct Empirical Proof of the Existence of Dark Matter. 648, L109 (2006)
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- ZAVLIN, VYACHESLAV E. *XMM-Newton* Observations of Four Millisecond Pulsars. *Vyacheslav E. Zavlin*. 638, 951 (2006)
- ZDZIARSKI, A. A. See CAPITANIO, F., et al. Spectral States of the X-Ray Binary IGR J17091-3624 Observed by *INTEGRAL* and *RXTE*. 643, 376 (2006)
- ŽEBRUŇ, K. See SUMI, T., et al. Microlensing Optical Depth toward the Galactic Bulge Using Bright Sources from OGLE-II. 636, 240 (2006)
- See DONG, SUBO, et al. Planetary Detection Efficiency of the Magnification 3000 Microlensing Event OGLE-2004-BLG-343. 642, 842 (2006)
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- ZEH, A. Gamma-Ray Burst Afterglow Light Curves in the Pre-*Swift* Era: A Statistical Study. *A. Zeh, S. Klose, and D. A. Kann*. 637, 889 (2006)
- See KANN, D. A., et al. Signatures of Extragalactic Dust in Pre-*Swift* GRB Afterglows. 641, 993 (2006)
- ZEHAVI, IDIT. See ADELMAN-MCCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- See BERLIND, ANDREAS A., et al. Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. 167, 1 (2006)
- See MASJEDI, MORAD, et al. Very Small Scale Clustering and Merger Rate of Luminous Red Galaxies. 644, 54 (2006)
- See BLANTON, MICHAEL R., et al. The Scale Dependence of Relative Galaxy Bias: Encouragement for the "Halo Model" Description. 645, 977 (2006)
- ZEKSER, K. C. Mass Modeling of Abell 1689 Advanced Camera for Surveys Observations with a Perturbed Navarro-Frenk-White Model. *K. C. Zekser, R. L. White, T. J. Broadhurst, N. Benítez, H. C. Ford, G. D. Illingworth, J. P. Blakeslee, M. Postman, M. J. Jee, and D. A. Coe*. 640, 639 (2006)
- ZELENIK, SUSAN. See MAGNANI, LORIS, et al. CH 3 GHz Observations of the Galactic Center. 636, 267 (2006)
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- See KIM, D.-W., et al. Probing the Low-Luminosity X-Ray Luminosity Function in Normal Elliptical Galaxies. 652, 1090 (2006)
- ZEPP, STEPHEN E. See WATERS, CHRISTOPHER Z., et al. Luminosity Function of Faint Globular Clusters in M87. 650, 885 (2006)
- ZEZAS, A. See BALDI, A., et al. Chemical Enrichment of the Complex Hot ISM of the Antennae Galaxies. I. Spatial and Spectral Analysis of the Diffuse X-Ray Emission. 162, 113 (2006)
- See KILGARD, R. E., et al. Erratum: "A *Chandra* Survey of Nearby Spiral Galaxies. I. Point Source Catalogs" (ApJS, 159, 214 [2005]). 163, 424 (2006)
- Chandra* Monitoring Observations of The Antennae Galaxies. I. Catalog of Source Properties. A. Zezas, G. Fabbiano, A. Baldi, F. Schweizer, A. R. King, T. J. Ponman, and A. H. Rots. 166, 211 (2006)
- See BALDI, A., et al. Chemical Enrichment of the Complex Hot ISM of the Antennae Galaxies. II. Physical Properties of the Hot Gas and Supernova Feedback. 636, 158 (2006)
- See FABBIANO, G., et al. The Modulated Emission of the Ultraluminous X-Ray Source in NGC 3379. 650, 879 (2006)
- See KIM, D.-W., et al. Probing the Low-Luminosity X-Ray Luminosity Function in Normal Elliptical Galaxies. 652, 1090 (2006)
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- ZHAN, HU. Optimal Softening for *N*-Body Halo Simulations. *Hu Zhan*. 639, 617 (2006)
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- Baryon Oscillations and Consistency Tests for Photometrically Determined Redshifts of Very Faint Galaxies. *Hu Zhan and Lloyd Knox*. 644, 663 (2006)
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- ZHANG, B. See BLUSTIN, A. J., et al. *Swift* Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. 637, 901 (2006)
- See VAUGHAN, S., et al. *Swift* Observations of the X-Ray-Bright GRB 050315. 638, 920 (2006)
- See MASON, K. O., et al. Prompt Optical Observations of GRB 050319 with the *Swift* UVOT. 639, 311 (2006)
- See FALCONE, A. D., et al. The Giant X-Ray Flare of GRB 050502B: Evidence for Late-Time Internal Engine Activity. 641, 1010 (2006)
- See SCHADY, P., et al. *Swift* UVOT Observations of X-Ray Flash 050406. 643, 276 (2006)
- See LIANG, E. W., et al. Testing the Curvature Effect and Internal Origin of Gamma-Ray Burst Prompt Emissions and X-Ray Flares with *Swift* Data. 646, 351 (2006)
- See O'BRIEN, P. T., et al. The Early X-Ray Emission from GRBs. 647, 1213 (2006)
- See KRIMM, H. A., et al. GRB 050717: A Long, Short-Lag, High-Peak Energy Burst Observed by *Swift* and Konus. 648, 1117 (2006)
- See LEVAN, A. J., et al. The First *Swift* X-Ray Flash: The Faint Afterglow of XRF 050215B. 648, 1132 (2006)
- See LIANG, Y. C., et al. The Oxygen Abundance Calibrations and N/O Abundance Ratios of ~40,000 SDSS Star-forming Galaxies. 652, 257 (2006)
- ZHANG, BIN-BIN. See LIANG, EN-WEI, et al. Temporal Profiles and Spectral Lags of XRF 060218. 653, L81 (2006)
- ZHANG, BING. See HILL, JOANNE E., et al. GRB 050117: Simultaneous Gamma-Ray and X-Ray Observations with the *Swift* Satellite. 639, 303 (2006)
- See CUSUMANO, GIANCARLO, et al. *Swift* XRT Observations of the Afterglow of GRB 050319. 639, 316 (2006)
- Physical Processes Shaping Gamma-Ray Burst X-Ray Afterglow Light Curves: Theoretical Implications from the *Swift* X-Ray Telescope Observations. Bing Zhang, Y. Z. Fan, Jaroslaw Dyks, Shiho Kobayashi, Peter Mészáros, David N. Burrows, John A. Nousek, and Neil Gehrels. 642, 354 (2006)
- See GRUPE, DIRK, et al. *Swift* Observations of GRB 050603: An Afterglow with a Steep Late-Time Decay Slope. 645, 464 (2006)
- See GIL, JANUSZ, et al. Formation of a Partially Screened Inner Acceleration Region in Radio Pulsars: Drifting Subpulses and Thermal X-Ray Emission from Polar Cap Surface. 650, 1048 (2006)
- See ROMING, PETER W. A., et al. GRB 060313: A New Paradigm for Short-Hard Bursts? 651, 985 (2006)
- See ROMING, PETER W. A., et al. Very Early Optical Afterglows of Gamma-Ray Bursts: Evidence for Relative Paucity of Detection. 652, 1416 (2006)
- See PE'ER, ASAF, et al. Synchrotron Emission in Small-Scale Magnetic Fields as a Possible Explanation for Prompt Emission Spectra of Gamma-Ray Bursts. 653, 454 (2006)
- See GRUPE, DIRK, et al. Jet Breaks in Short Gamma-Ray Bursts. I. The Uncollimated Afterglow of GRB 050724. 653, 462 (2006)
- See BURROWS, DAVID N., et al. Jet Breaks in Short Gamma-Ray Bursts. II. The Collimated Afterglow of GRB 051221A. 653, 468 (2006)
- See PERNA, ROSALBA, et al. Flares in Long and Short Gamma-Ray Bursts: A Common Origin in a Hyperaccreting Accretion Disk. 636, L29 (2006)
- See LIANG, ENWEI, et al. Identification of Two Categories of Optically Bright Gamma-Ray Bursts. 638, L67 (2006)
- See LIANG, EN-WEI, et al. Temporal Profiles and Spectral Lags of XRF 060218. 653, L81 (2006)
- ZHANG, BO. Neutron-Capture Elements in the *s*- and *r*-Process-rich Stars: Constraints on Neutron-Capture Nucleosynthesis Processes. *Bo Zhang, Kun Ma, and Guide Zhou*. 642, 1075 (2006)
- ZHANG, C. M. See ZHANG, FAN, et al. Timing Features of the Accretion-driven Millisecond X-Ray Pulsar XTE J1807-294 in the 2003 March Outburst. 646, 1116 (2006)
- ZHANG, EN-PENG. The Unified Model of Active Galactic Nuclei. I. Non-Hidden Broad-Line Region Seyfert 2 and Narrow-Line Seyfert 1 Galaxies. *En-Peng Zhang and Jian-Min Wang*. 653, 137 (2006)
- ZHANG, F. See AHARMIM, B., et al. A Search for Neutrinos from the Solar *hep* Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- See GUO, Y., et al. A Combined Experimental and Theoretical Study of the Reaction of Dicarboxide (C_2) with D1-Acetylene (HCCD): Possible Mechanisms for Deuterium Enrichment in the Interstellar D1-Butadienyl Radical, $CCCCD(X^+ \Sigma^-)$. 653, 1577 (2006)
- ZHANG, FAN. Timing Features of the Accretion-driven Millisecond X-Ray Pulsar XTE J1807-294 in the 2003 March Outburst. *Fan Zhang, Jinlu Qu, C. M. Zhang, W. Chen, and T. P. Li*. 646, 1116 (2006)
- See WANG, JIAN-MIN, et al. Cosmological Evolution of the Duty Cycle of Quasars. 647, L17 (2006)
- ZHANG, H. Q. See SU, J. T., et al. The Influence of Faraday Rotation on the Vertical Electric Current Density. 649, L141 (2006)
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- ZHANG, J. A Statistical Study of Main and Residual Accelerations of Coronal Mass Ejections. *J. Zhang and K. P. Dere*. 649, 1100 (2006)
- See ZHOU, G. P., et al. Two Successive Coronal Mass Ejections Driven by the Kink and Drainage Instabilities of an Eruptive Prominence. 651, 1238 (2006)
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- ZHANG, JIN. See LIANG, EN-WEI, et al. Temporal Profiles and Spectral Lags of XRF 060218. 653, L81 (2006)
- ZHANG, JUN. On Random Walks with a General Moving Barrier. *Jun Zhang and Lam Hui*. 641, 641 (2006)
- Comparison of Magnetic Flux Distribution between a Coronal Hole and a Quiet Region. *Jun Zhang, Jun Ma, and Haimin Wang*. 649, 464 (2006)
- ZHANG, KEKE. See LIAO, XINHAO, et al. On the Convective Excitation of Torsional Oscillations in Rotating Systems. 638, L113 (2006)
- ZHANG, L. See JIANG, Z. J., et al. Statistical Properties of High-Energy Radiation from Young Pulsars. 643, 1130 (2006)
- See FANG, J., et al. Full Electromagnetic Cascades in Spin-powered Pulsars. 653, 573 (2006)
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- ZHANG, MEI. Magnetic Field Confinement in the Corona: The Role of Magnetic Helicity Accumulation. *Mei Zhang, Natasha Flyer, and Boon Chye Low*. 644, 575 (2006)
- Helicity Observations of Weak and Strong Fields. *Mei Zhang*. 646, L85 (2006)

- ZHANG, PENGJIE. Isolating the Decay Rate of Cosmological Gravitational Potential. *Pengjie Zhang*, 647, 55 (2006)
- See JING, Y. P., et al. The Influence of Baryons on the Clustering of Matter and Weak-Lensing Surveys, 640, L119 (2006)
- ZHANG, Q. See BEUTHER, H., et al. Submillimeter Array 440 μm /690 GHz Line and Continuum Observations of Orion KL, 636, 323 (2006)
- See PALAU, A., et al. Submillimeter Emission from the Hot Molecular Jet HH 211, 636, L137 (2006)
- ZHANG, QIZHOU. See LEE, CHIN-FEI, et al. Infall and Outflow around the HH 212 Protostellar System, 639, 292 (2006)
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- See ZAPATA, LUIS A., et al. Silicon Monoxide Observations Reveal a Cluster of Hidden Compact Outflows in the OMC 1 South Region, 653, 398 (2006)
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- See WANG, YANG, et al. Water Masers Associated with Infrared Dark Cloud Cores, 651, L125 (2006)
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- See CHEN, XIE, et al. Propeller-driven Spectral State Transition in the Low-Mass X-Ray Binary 4U 1608-52, 650, 299 (2006)
- See LIU, XIN, et al. A Cross-Correlation Analysis of *WMAP* and EGRET Data in Wavelet Space, 636, L1 (2006)
- ZHANG, T. X. Electric Redshift and Quasars. *T. X. Zhang*, 636, L61 (2006)
- ZHANG, TONG-JIE. X-Ray Emission of Baryonic Gas in the Universe: Luminosity-Temperature Relationship and Soft-Band Background. *Tong-Jie Zhang, Jiren Liu, Long-long Feng, Ping He, and Li-Zhi Fang*, 642, 625 (2006)
- ZHANG, W. See MIDDLEDITCH, J., et al. Predicting the Starquakes in PSR J0537-6910, 652, 1531 (2006)
- ZHANG, WEIQUN. RAM: A Relativistic Adaptive Mesh Refinement Hydrodynamics Code. *WeiQun Zhang and Andrew I. MacFadyen*, 164, 255 (2006)
- ZHANG, WILLIAM. See JAHODA, KEITH, et al. Calibration of the *Ross X-Ray Timing Explorer* Proportional Counter Array, 163, 401 (2006)
- ZHANG, Y. A. See SONG, M. T., et al. A New and Fast Way to Reconstruct a Nonlinear Force-free Field in the Solar Corona, 649, 1084 (2006)
- ZHANG, Y. H. *XMM-Newton* View of PKS 2155-304: Hardness Ratio and Cross-Correlation Analysis of EPIC pn Observations. *Y. H. Zhang, A. Treves, L. Maraschi, J. M. Bai, and F. K. Liu*, 637, 699 (2006)
- Multiwavelength Observations of the BL Lacertae Object PKS 2155-304 with *XMM-Newton*. *Y. H. Zhang, J. M. Bai, S. N. Zhang, A. Treves, L. Maraschi, and A. Celotti*, 651, 782 (2006)
- ZHANG, Y. Z. Two-Current-Sheet Reconnection Model of Interdependent Flare and Coronal Mass Ejection. *Y. Z. Zhang, J. X. Wang, and Y. Q. Hu*, 641, 572 (2006)
- ZHANG, YANAN. See JI, HAISHENG, et al. Converging Motion of H α Conjugate Kernels: The Signature of Fast Relaxation of a Sheared Magnetic Field, 636, L173 (2006)
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- ZHAO, H. S. Refining the MOND Interpolating Function and TeVeS Lagrangian. *H. S. Zhao and B. Famaey*, 638, L9 (2006)
- ZHAO, HONGSHENG. See CHEN, DA-MING, et al. Strong Lensing Probability for Testing TeVeS Theory, 650, L9 (2006)
- ZHAO, J. See RAJAGURU, S. P., et al. Sensitivity of Time-Distance Helioseismic Measurements to Spatial Variation of Oscillation Amplitudes. I. Observations and a Numerical Model, 646, 543 (2006)
- ZHAO, J.-H. See BEUTHER, H., et al. Submillimeter Array 440 μm /690 GHz Line and Continuum Observations of Orion KL, 636, 323 (2006)
- See RODRÍGUEZ-RICO, C. A., et al. Very Large Array H53 α and H92 α Line Observations of the Central Region of NGC 253, 644, 914 (2006)
- ZHAO, JUN-HUI. See SAKAMOTO, KAZUSHI, et al. Molecular Superbubbles in the Starburst Galaxy NGC 253, 636, 685 (2006)
- See MARRONE, DANIEL P., et al. Interferometric Measurements of Variable 340 GHz Linear Polarization in Sagittarius A*, 640, 308 (2006)
- ZHAO, JUNWEI. Surface Magnetism Effects in Time-Distance Helioseismology. *Junwei Zhao and Alexander G. Kosovichev*, 643, 1317 (2006)
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- ZHAO, P. See ROGEL, A. B., et al. Three Years of ChaMP/Plane Northern Field WIYN Spectroscopy, 163, 160 (2006)
- See ZURITA, C., et al. The 2005 Outburst of the Halo Black Hole X-Ray Transient XTE J1118+480, 644, 432 (2006)
- See VAN DEN BERG, M., et al. ChaMP/Plane Discovery of Candidate Symbiotic Binaries in Baade's and Stanek's Windows, 647, L135 (2006)
- ZHAO, X. P. See LIU, Y., et al. Magnetic Structures of Solar Active Regions, Full-Halo Coronal Mass Ejections, and Geomagnetic Storms, 646, 1335 (2006)
- ZHAO, XIAOHONG. Jet Sideways Expansion Effect on Estimating the Gamma-Ray Burst Efficiency. *Xiaohong Zhao and J. M. Bai*, 653, L1 (2006)
- ZHAO, XUE PU. See HAYASHI, KEIJI, et al. Three-Dimensional Magnetohydrodynamic Simulation of a Global Solar Corona Using a Temperature Distribution Map Obtained from *SOHO* EIT Measurements, 636, L165 (2006)
- ZHAO, YONG-HENG. See ZHENG, ZHENG, et al. A Comptonization Model for the Prompt Optical and Infrared Emission of GRB 041219A, 646, L25 (2006)
- See ZHENG, ZHENG, et al. Erratum: "A Comptonization Model for the Prompt Optical and Infrared Emission of GRB 041219A" (ApJ, 646, L25 [2006]), 648, L161 (2006)
- ZHARKOVA, VALENTINA V. The Effect of the Electric Field Induced by Precipitating Electron Beams on Hard X-Ray Photon and Mean Electron Spectra. *Valentina V. Zharkova and Mykola Gordovskyy*, 651, 553 (2006)
- ZHEKOV, S. A. See SKINNER, S. L., et al. The *Chandra* X-Ray Spectrum of the 10.6 s Pulsar in Westerlund 1: Testing the Magnetar Hypothesis, 653, 587 (2006)
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- ZHEKOV, SVETOZAR A. See GEORGIEV, LEONID N., et al. Iron Depletion in the Hot Bubbles in Planetary Nebulae, 639, 185 (2006)
- See HENG, KEVIN, et al. Evolution of the Reverse Shock Emission from SNR 1987A, 644, 959 (2006)
- Chandra* LETG Observations of Supernova Remnant 1987A. *Svetozar A. Zhekov, Richard McCray, Kazimierz J. Borkowski, David N. Burrows, and Sangwook Park*, 645, 293 (2006)
- See PARK, SANGWOOK, et al. Evolutionary Status of SNR 1987A at the Age of Eighteen, 646, 1001 (2006)
- ZHENG, W. See OVERZIER, RODERIK A., et al. Clustering of Star-forming Galaxies Near a Radio Galaxy at $z = 5.2$, 637, 58 (2006)
- See MEI, S., et al. Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Blue Early-Type Galaxies and Red Pairs in RDCS J0910+5422, 639, 81 (2006)
- An Overdensity of Galaxies near the Most Distant Radio-loud Quasar. *W. Zheng, R. A. Overzier, R. J. Bouwens, R. L. White, H. C. Ford, N. Benítez, J. P. Blakeslee, L. D. Bradley, M. J. Jee, A. R. Martel, S. Mei, A. W. Zirm, G. D. Illingworth, M. Clampin, G. F. Hartig, D. R. Ardila, F. Bartko, T. J. Broadhurst, R. A. Brown, C. J. Burrows, E. S. Cheng, N. J. G. Cross, R. Demarco, P. D. Feldman, M. Franx, D. A. Golimowski, T. Goto, C. Gronwall, B. Holden, N. Homeier, L. Infante, R. A. Kimble, J. E. Krist, M. P. Lesser, F. Menanteau, G. R. Meurer, G. K. Miley, V. Motta, M. Postman, P. Rosati, M. Sirianni, W. B. Sparks, H. D. Tran, and Z. I. Tsvetanov*, 640, 574 (2006)
- ZHENG, WEI. See LIU, JIREN, et al. A Unified Fitting of H I and He II Ly α Transmitted Flux of QSO HE 2347-4342 with Λ CDM Hydrodynamic Simulations, 645, 861 (2006)
- ZHENG, WEIJUN. Formation of Hydrogen, Oxygen, and Hydrogen Peroxide in Electron-irradiated Crystalline Water Ice. *Weijun Zheng, David Jewitt, and Ralf I. Kaiser*, 639, 534 (2006)
- Temperature Dependence of the Formation of Hydrogen, Oxygen, and Hydrogen Peroxide in Electron-Irradiated Crystalline Water Ice. *Weijun Zheng, David Jewitt, and Ralf I. Kaiser*, 648, 753 (2006)

- ZHENG, X. W. See XU, Y., et al. Search for Compact Extragalactic Radio Sources near Massive Star-forming Regions. 166, 526 (2006)
- ZHENG, X. Z. Detecting Faint Galaxies by Stacking at 24 μm . X. Z. Zheng, Eric F. Bell, Hans-Walter Rix, Casey Papovich, Emeric Le Floch, G. H. Rieke, and P. G. Pérez-González. 640, 784 (2006)
- ZHENG, ZHENG. See YOO, JAIYUL, et al. From Galaxy-Galaxy Lensing to Cosmological Parameters. 652, 26 (2006)
- See ZHU, GUANGTUN, et al. The Dependence of the Occupation of Galaxies on the Halo Formation Time. 639, L5 (2006)
- A Comptonization Model for the Prompt Optical and Infrared Emission of GRB 041219A. Zheng Zheng, Ye Lu, and Yong-Heng Zhao. 646, L25 (2006)
- Erratum: "A Comptonization Model for the Prompt Optical and Infrared Emission of GRB 041219A" (ApJ, 646, L25 [2006]). Zheng Zheng, Ye Lu, and Yong-Heng Zhao. 648, L161 (2006)
- ZHOU, A.-Y. See VUČKOVIĆ, M., et al. Whole Earth Telescope Observations of the Pulsating Subdwarf B Star PG 0014+067. 646, 1230 (2006)
- See GOULD, A., et al. Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. 644, L37 (2006)
- ZHOU, G. P. Two Successive Coronal Mass Ejections Driven by the Kink and Drainage Instabilities of an Eruptive Prominence. G. P. Zhou, J. X. Wang, J. Zhang, P. F. Chen, H. S. Ji, and K. Dere. 651, 1238 (2006)
- ZHOU, GUIDE. See ZHANG, BO, et al. Neutron-Capture Elements in the s - and r -Process-rich Stars: Constraints on Neutron-Capture Nucleosynthesis Processes. 642, 1075 (2006)
- ZHOU, GUIPING. See WANG, YUMING, et al. A Study of the Orientation of Interplanetary Magnetic Clouds and Solar Filaments. 651, 1245 (2006)
- ZHOU, HONGYAN. A Comprehensive Study of 2000 Narrow Line Seyfert 1 Galaxies from the Sloan Digital Sky Survey. I. The Sample. Hongyan Zhou, Tinggui Wang, Weimin Yuan, Honglin Lu, Xiaobo Dong, Junxian Wang, and Youjun Lu. 166, 128 (2006)
- Polar Outflows in Six Broad Absorption Line Quasars. Hongyan Zhou, Tinggui Wang, Huiyuan Wang, Junxian Wang, Weimin Yuan, and Yu Lu. 639, 716 (2006)
- ZHOU, HONG-YAN. See WANG, TING-GUI, et al. Evidence for a Population of Beamed Radio-intermediate Quasars. 645, 856 (2006)
- ZHOU, S. B. See CHEN, L. E., et al. Properties of Low Radio Luminosity RGB BL Lac Objects. 637, 711 (2006)
- ZHOU, S.-G. See SAVIN, D. W., et al. Dielectronic Recombination of Fe XXIII Forming Fe XXII: Laboratory Measurements and Theoretical Calculations. 642, 1275 (2006)
- ZHOU, TUANHUI. See JI, HAISHENG, et al. Converging Motion of $H\alpha$ Conjugate Kernels: The Signature of Fast Relaxation of a Sheared Magnetic Field. 636, L173 (2006)
- ZHOU, XU. See WANG, XIAOFENG, et al. Determination of the Hubble Constant, the Intrinsic Scatter of Luminosities of Type Ia Supernovae, and Evidence for Nonstandard Dust in Other Galaxies. 645, 488 (2006)
- See XIA, LIFANG, et al. Evolution of the Galaxy Luminosity Function for Redshift and Density Environment at $0.03 < z < 0.5$. 652, 249 (2006)
- See MA, JUN, et al. 037-B327 in M31: Luminous Globular Cluster or Core of a Former Dwarf Spheroidal Companion to M31? 636, L93 (2006)
- ZHOU, ZHIYONG. Graphite, Tubular PAHs, and the Diffuse Interstellar Bands. Zhiyong Zhou, Matthew Y. Sfeir, Lei Zhang, Mark S. Hybertsen, Michael Steigerwald, and Louis Brus. 638, L105 (2006)
- ZHU, GUANGTUN. The Dependence of the Occupation of Galaxies on the Halo Formation Time. Guangtun Zhu, Zheng Zheng, W. P. Lin, Y. P. Jing, Xi Kang, and Liang Gao. 639, L5 (2006)
- ZHU, ZONG-HONG. See GUO, ZONG-KUAN, et al. Constraints on the Dvali-Gabadadze-Porrati Model from Recent Supernova Observations and Baryon Acoustic Oscillations. 646, 1 (2006)
- ZIBETTI, STEFANO. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- ZIĘBA, S. Harmonic Analysis of Time Variations Observed in the Solar Radio Flux Measured at 810 MHz from 1957 to 2004. S. Zięba, J. Masłowski, A. Michalec, G. Michalek, and A. Kulak. 653, 1517 (2006)
- ZIEGLER, M. See ATWOOD, W. B., et al. A Time-differencing Technique for Detecting Radio-quiet Gamma-Ray Pulsars. 652, L49 (2006)
- ZIJLSTRA, A. A. See MATSUURA, M., et al. The Compact Circumstellar Material around OH 231.8+4.2. 646, L123 (2006)
- See UETA, T., et al. Detection of a Far-Infrared Bow Shock Nebula around R Hya: The First MIRIAD Results. 648, L39 (2006)
- ZIMBARDO, G. Superdiffusive and Subdiffusive Transport of Energetic Particles in Solar Wind Anisotropic Magnetic Turbulence. G. Zimbardo, P. Pommois, and P. Veltri. 639, L91 (2006)
- ZIMER, MARC. See FINOGUENOV, ALEXIS, et al. The Two-dimensional XMM-Newton Group Survey: $z < 0.012$ Groups. 646, 143 (2006)
- ZINGALE, M. See ALMGREN, A. S., et al. Low Mach Number Modeling of Type Ia Supernovae. I. Hydrodynamics. 637, 922 (2006)
- See ALMGREN, A. S., et al. Low Mach Number Modeling of Type Ia Supernovae. II. Energy Evolution. 649, 927 (2006)
- ZINN, ROBERT. See DUFFAU, SONIA, et al. Spectroscopy of QUEST RR Lyrae Variables: The New Virgo Stellar Stream. 636, L97 (2006)
- ZINNER, E. See COLE, A. L., et al. The Search for Supernova Grains in an Ice Core. 652, 1763 (2006)
- ZINNER, ERNST. Silicon and Carbon Isotopic Ratios in AGB Stars: SiC Grain Data, Models, and the Galactic Evolution of the Si Isotopes. Ernst Zinner, Larry R. Nittler, Roberto Gallino, Amanda I. Karakas, Maria Lugaro, Oscar Straniero, and John C. Lattanzio. 650, 350 (2006)
- ZINNER, N. T. See FRÖHLICH, C., et al. Composition of the Innermost Core-Collapse Supernova Ejecta. 637, 415 (2006)
- ZIRAKASHVILI, V. N. Simple Model of the Outflow from Starburst Galaxies: Application to Radio Observations. V. N. Zirakashvili and H. J. Völk. 636, 140 (2006)
- ZIRAKASHVILI, VLADIMIR N. See PTUSKIN, VLADIMIR S., et al. Dissipation of Magnetohydrodynamic Waves on Energetic Particles: Impact on Interstellar Turbulence and Cosmic-Ray Transport. 642, 902 (2006)
- ZIRM, A. See HOMEIER, N. L., et al. The Formation Epoch of Early-Type Galaxies in the $z \sim 0.9$ Cl 1604 Supercluster. 647, 256 (2006)
- ZIRM, A. W. See OVERZIER, RODERIK A., et al. Clustering of Star-forming Galaxies Near a Radio Galaxy at $z = 5.2$. 637, 58 (2006)
- See ZHENG, W., et al. An Overdensity of Galaxies near the Most Distant Radio-loud Quasar. 640, 574 (2006)
- ZIRM, ANDREW. See TRUJILLO, IGNACIO, et al. The Size Evolution of Galaxies since $z \sim 3$: Combining SDSS, GEMS, and FIRES. 650, 18 (2006)
- ZIRM, ANDREW W. See MILEY, GEORGE K., et al. The Spiderweb Galaxy: A Forming Massive Cluster Galaxy at $z \sim 2.650$. L29 (2006)
- ZIURYS, L. M. See HALFEN, D. T., et al. A Systematic Study of Glycolaldehyde in Sagittarius B2(N) at 2 and 3 mm: Criteria for Detecting Large Interstellar Molecules. 639, 237 (2006)
- See MILAM, STEFANIE N., et al. Formaldehyde in Comets C/1995 O1 (Hale-Bopp), C/2002 T7 (LINEAR), and C/2001 Q4 (NEAT): Investigating the Cometary Origin of H₂CO. 649, 1169 (2006)
- See APPONI, A. J., et al. Hydroxyacetone (CH₃COCH₂OH): A Combined Microwave and Millimeter-Wave Laboratory Study and Associated Astronomical Search. 652, 1787 (2006)
- See JANCZYK, A., et al. Laboratory Detection and Pure Rotational Spectrum of AISH (\bar{X}^1A'). 639, L107 (2006)
- See APPONI, A. J., et al. Investigating the Limits of Chemical Complexity in Sagittarius B2(N): A Rigorous Attempt to Confirm 1,3-Dihydroxyacetone. 643, L29 (2006)
- See TENENBAUM, E. D., et al. Detection of C₂O in IRC +10216: Oxygen-Carbon Chain Chemistry in the Outer Envelope. 649, L17 (2006)
- ZIURYS, LUCY M. See HARRISON, JEREMY J., et al. Improved Frequencies of Rotational Transitions of ¹³CH in the "Z" Ground State. 637, 1143 (2006)
- ZLOBEC, P. See MAGDALENIĆ, J., et al. Classification and Properties of Supershort Solar Radio Bursts. 642, L77 (2006)
- ZOCALI, MANUELA. See FERNÁNDEZ, JOSÉ MIGUEL, et al. Millimagitude Optical Photometry for the Transiting Planetary Candidate OGLE-TR-109. 647, 587 (2006)
- ZOLA, S. See VUČKOVIĆ, M., et al. Whole Earth Telescope Observations of the Pulsating Subdwarf B Star PG 0014+067. 646, 1230 (2006)
- ZOU, Y. C. Is GRB 050904 a Superlong Burst? Y. C. Zou, Z. G. Dai, and D. Xu. 646, 1098 (2006)
- ZSCHAECHNER, LAURA K. See FISH, VINCENT L., et al. Observations of the 6 cm Lines of OH in Evolved (OH/IR) Stars. 653, L45 (2006)
- ZUBER, K. See AHARMIM, B., et al. A Search for Neutrinos from the Solar hep Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. 653, 1545 (2006)
- ZUCCONI, J.-M. See JEHIN, E., et al. Deep Impact: High-Resolution Optical Spectroscopy with the ESO VLT and the Keck I Telescope. 641, L145 (2006)
- ZUCKER, D. B. See FELLHAUER, M., et al. The Origin of the Bifurcation in the Sagittarius Stream. 651, 167 (2006)
- See BELOKUROV, V., et al. The Field of Streams: Sagittarius and Its Siblings. 642, L137 (2006)
- A New Milky Way Dwarf Satellite in Canes Venatici. D. B. Zucker, V. Belokurov, N. W. Evans, M. I. Wilkinson, M. J. Irwin, T. Sivarani, S. Hodgkin, D. M. Bramich, J. M. Irwin, G. Gilmore, B. Willman, S. Vidrih,

- M. Fellhauer, P. C. Hewett, T. C. Beers, E. F. Bell, E. K. Grebel, D. P. Schneider, H. J. Newberg, R. F. G. Wyse, C. M. Rockosi, B. Yanny, R. Lupton, J. A. Smith, J. C. Barentine, H. Brewington, J. Brinkmann, M. Harvanek, S. J. Kleinman, J. Krzesinski, D. Long, A. Nitta, and S. A. Snedden. 643, L103 (2006)
- See BELOKUROV, V., et al. A Faint New Milky Way Satellite in Bootes. 647, L111 (2006)
- A Curious Milky Way Satellite in Ursa Major. D. B. Zucker, V. Belokurov, N. W. Evans, J. T. Kleyna, M. J. Irwin, M. I. Wilkinson, M. Fellhauer, D. M. Bramich, G. Gilmore, H. J. Newberg, B. Yanny, J. A. Smith, P. C. Hewett, E. F. Bell, H.-W. Rix, O. Y. Gnedin, S. Vidrih, R. F. G. Wyse, B. Willman, E. K. Grebel, D. P. Schneider, T. C. Beers, A. Y. Kniazev, J. C. Barentine, H. Brewington, J. Brinkmann, M. Harvanek, S. J. Kleinman, J. Krzesinski, D. Long, A. Nitta, and S. A. Snedden. 650, L41 (2006)
- ZUCKER, DANIEL B. See ADELMAN-McCARTHY, JENNIFER K., et al. The Fourth Data Release of the Sloan Digital Sky Survey. 162, 38 (2006)
- ZUCKER, SHAY. Probing Post-Newtonian Physics near the Galactic Black Hole with Stellar Redshift Measurements. Shay Zucker, Tal Alexander, Stefan Gillessen, Frank Eisenhauer, and Reinhard Genzel. 639, L21 (2006)
- ZUCKERMAN, B. See SONG, INSEOK, et al. *HST* NICMOS Imaging of the Planetary-mass Companion to the Young Brown Dwarf 2MASSW J1207334–393254. 652, 724 (2006)
- The Carina-Near Moving Group. B. Zuckerman, M. S. Bessell, Inseok Song, and S. Kim. 649, L115 (2006)
- ZURBUCHEN, T. H. See FISK, L. A., et al. Acceleration of Low-Energy Ions at the Termination Shock of the Solar Wind. 644, 631 (2006)
- ZURBUCHEN, THOMAS H. See KO, YUAN-KUEN, et al. Abundance Variation at the Vicinity of an Active Region and the Coronal Origin of the Slow Solar Wind. 646, 1275 (2006)
- ZUREK, D. R. See KNIGGE, C., et al. A Blue Straggler Binary with Three Progenitors in the Core of a Globular Cluster? 641, 281 (2006)
- ZURITA, C. The 2005 Outburst of the Halo Black Hole X-Ray Transient XTE J1118+480. C. Zurita, M. A. P. Torres, D. Steeghs, P. Rodríguez-Gil, T. Muñoz-Darias, J. Casares, T. Shahbaz, I. G. Martínez-Pais, P. Zhao, M. R. García, A. Piccioni, C. Bartolini, A. Guarnieri, J. S. Bloom, C. H. Blake, E. E. Falco, A. Szentgyorgyi, and M. Skrutskie. 644, 432 (2006)
- ZWAAN, M. A. See MEURER, GERHARDT R., et al. The Survey for Ionization in Neutral Gas Galaxies. I. Description and Initial Results. 165, 307 (2006)
- See HANISH, D. J., et al. The Survey for Ionization in Neutral Gas Galaxies. II. The Star Formation Rate Density of the Local Universe. 649, 150 (2006)
- ZWAAN, MARTIN A. Where Is the Molecular Hydrogen in Damped Ly α Absorbers? Martin A. Zwaan and Jason X. Prochaska. 643, 675 (2006)
- ZWEERINK, J. See REBILLOT, P. F., et al. Multiwavelength Observations of the Blazar Markarian 421 in 2002 December and 2003 January. 641, 740 (2006)
- ZWEIBEL, ELLEN G. See KROLIK, JULIAN H., et al. The Weak-Field Limit of the Magnetorotational Instability. 644, 651 (2006)
- Star-Disk Coupling by a Time-varying Magnetic Field. Ellen G. Zweibel, K. Tabetha Hole, and Robert D. Mathieu. 649, 879 (2006)
- ŻYCKI, P. T. See MADEJSKI, G., et al. X-Ray Emission from Megamaser Galaxy IC 2560. 636, 75 (2006)
- See LEVENSON, N. A., et al. Penetrating the Deep Cover of Compton-thick Active Galactic Nuclei. 648, 111 (2006)
- ZYLBERAJCH, S. See ASSEF, R. J., et al. Removing the Microlensing Blending-Parallax Degeneracy Using Source Variability. 649, 954 (2006)



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